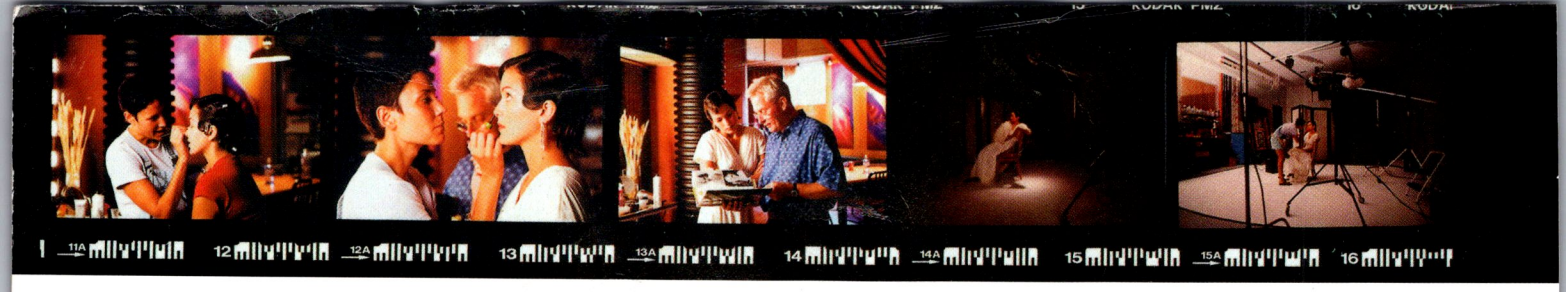
CALUMET
PHOTOGRAPHIC



# THE PHOTOGRAPHER'S CATALOG

*1999 - 2000*



◄ **On The Cover** **Photographer:** Art Wise, Chicago **Model:** Connie De Bie, *Aria Model Management* **Makeup & Hair:** Tina Fraulini, *Aria Model Management*



*Assisting Photographers for 60 Years*

# THE MOST COMPLETE RESOURCE IN PHOTOGRAPHY

Dear Friends and Photographers,

Welcome to our special 60th anniversary edition of our Photographer's Catalog.We hope you enjoy our trip down memory lane as much as we liked reminiscing through our literature archives and old air-brushed photo boards!

A lot has happened in the world of photography during the past six decades, and Calumet is proud to have been a part of this exciting, evolutionary period. Who, 60 years ago, would have possibly predicted that a two gigabyte removable digital storage media could ever take the place of the continuous-tone, silver halide negative, or that image manipulation could be possible outside of the darkroom. But, no matter how technological advancements have changed the tools and vernacular of the industry, photographers are still photographers and they remain at the heart – the essence – of the image-making process.

In fact, our cover was designed as a tribute to this very concept. While the styling and lighting is reminiscent of the 1930's Hollywood "glamour" portrait work of George Hurrell, the image was actually captured with one of today's most sophisticated digital camera backs, the MegaVision S3 (see sidebar for details). Is this another case of "the more things change, the more they stay the same?" We don't think so. We prefer to take a more optimistic approach, and view the evolutionary advancements of the medium over the past half-century as key to expanding the creative powers of the photographer. And this catalog is a prime example of the changes that are still taking place.

## *Taking the Future of Photography Back in Time*

The challenge: Mark Calumet's 60th anniversary by capturing the evolution of photography on the cover of this catalog. Inspired by the glamour portraiture style popular when Calumet was founded, we added a 1999 twist by shooting the image with MegaVision's new single-shot digital camera back which touts a 2K x 3K digital chip. Chicago photographer Art Wise placed the S3 on the back of his Hasselblad and shot away as our art director viewed the instant captures on a monitor. The result is timeless!

To begin with, we offer 12 pages filled with the latest in digital cameras, scanners and printers (pages 2 through 13). Today's studio view cameras have reached new heights in terms of precision and digital compatibility, and there's no better example of this than the Cambo Ultima (pages 14 & 15).

Lighting systems and light control products continue to evolve and change to meet the needs of today's professionals, from Balcar's new fluorescent light fixtures (page 86 & 87) to their new Super Diamond Box (page 54). Calumet's new 3-D Light Control Panel System (page 99) adds a whole new dimension to reflector versatility.

Medium format and 35mm camera systems continue to become more automated, more accurate, and more dependable. And film – yes film! – is still being improved upon at a rate faster than ever before, with new



**1939**

Kenneth Becker opens Calumet, a sporting goods store that sold cameras, at 2300 S. Michigan Ave. in Chicago.



**1948**

Calumet begins manufacturing stainless steel sinks, tanks and trays and sells them directly to photographers nationwide.



**1955**

Calumet buys the rights to the Kodak Master View 4x5 and develops the CC400 Series Cameras.



**1966**

Calumet expands its product selection with the very best value available in high-quality German large format optics:Caltar Lenses.

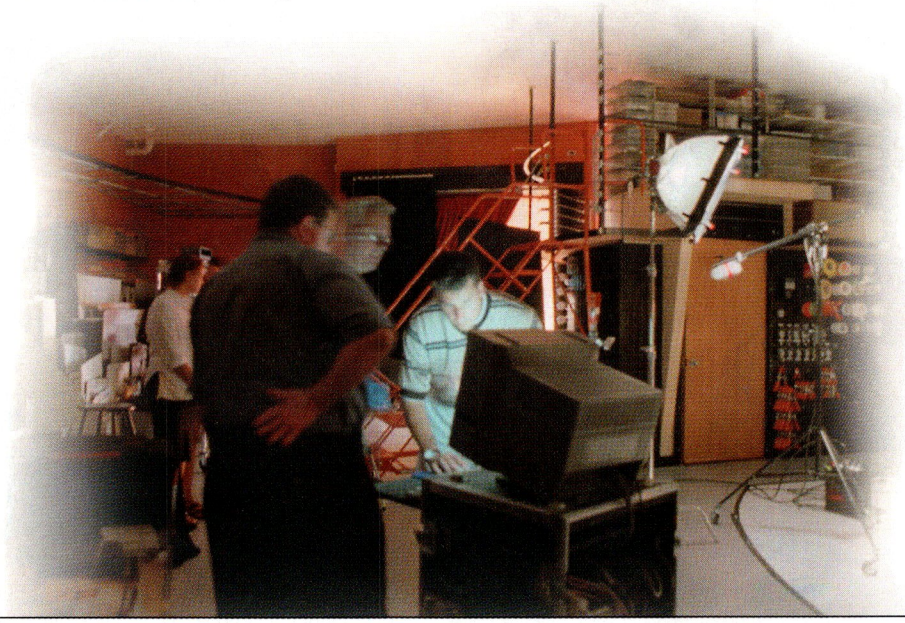



**1972**

Calumet publishes its first of many Technical Newsletters.




**tylist:** Laura Heintzelman, *Aria Model Management*



color and black & white emulsions coming out all the time from Kodak, Fuji, Ilford, Agfa and Polaroid (see pages 198 – 205 and 209 – 211).

All in all, there has never been a more exciting and dynamic time in the history of photography. And as the technology continues to change and grow, Calumet has developed new ways of serving our customers, including more retail locations than ever before, a convenient – and increasingly comprehensive – web site at calumetphoto.com, a separate, new division committed to customized digital solutions, and, of course, the most respected and friendly telephone sales and customer service staff in the entire photographic industry!

As we prepare to enter the next millennium – and the next 60 years of business – I would like to thank you for your past and continued support. We are proud to be a part of such a vital and creative industry, and proud too of the many partnerships (both business and personal!) that we have developed with photographers around the world. Fore, it is for you, the photographer, that we exist.

On behalf of the entire Calumet staff,



Kathy Houde

Kathy Houde
*President*



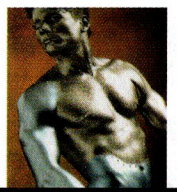
**1981**

Calumet moves to their current location at 890 Supreme Drive in Bensenville, IL and launches its first full-line catalog.

PHOTO MARKETPLACE

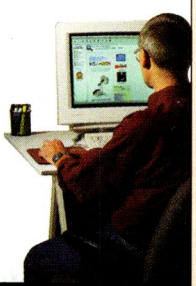
**1985**

Calumet joins forces with Photo MarketPlace, a NYC photographic retail operation. Today, Calumet has locations in the New York, Los Angeles, Chicago, Boston and San Francisco areas.



**1992**

Calumet introduces its Electronic Imaging Division. Currently, Calumet offers custom digital solutions implemented on-site.



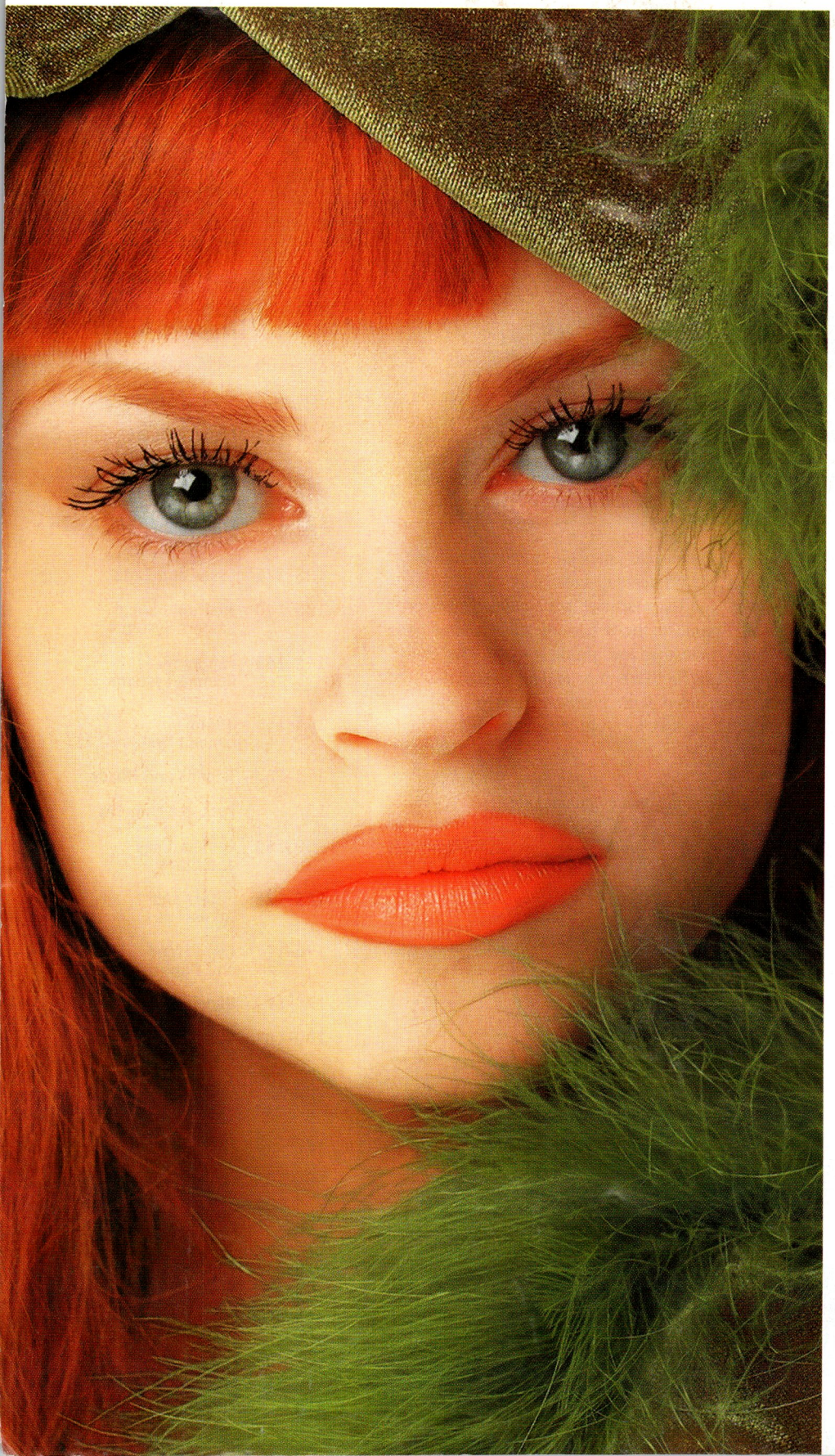
**1998**

Calumet makes shopping easier by introducing calumetphoto.com, the largest on-line photographic catalog.

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# MegaVision's Single Shot Series Now Available with 50% More Pixels!






## Capture in an Instant Anywhere!

### MegaVision's Single-Shot Series

The MegaVision series of single-shot backs offers you high-resolution images either tethered to a computer or on location with the optional BatPac battery system. Perfect for portraiture, fashion, annual reports and studio assignments.

### Choose Your Chip

MegaVision is the only company that offers professional photographers a clear choice of file size, resolution and price. The award-winning S2 features a square 2K x 2K CCD sensor while the new S3 touts a 3K x 2K sensor, offering 50% more pixels to the captured image.

### Smart Software

Both backs include MegaVision's PhotoShoot software, a complete stand-alone image capture and retouching package. In the tethered mode, you can shoot into an electronic proof sheet for instant editing and approval. Images are captured directly into your computer's RAM rather than your hard drive so your time is spent shooting, not downloading, at one frame per second.

### Adaptable to 2¼ and 4x5 Cameras

The S2 and S3 mount easily to any professional medium-format camera and weigh only 13 oz. each! Adapters are available for most 4x5 view cameras.

### Works with All Light Sources

With the Single Shot Series, you can shoot with your favorite lights including strobe, tungsten, daylight, HMI and fluorescent.

### Incredible Technical Support

The MegaVision system is supported throughout the U.S. by the most comprehensive warranty program in the industry. The one-year program includes free loaner service, software upgrades and unlimited telephone support. Extended service contracts are available.

Available for Hasselblad, Fuji 680, Contax 645 AF and all Mamiya and Bronica models. (Please specify camera type.)

S2 with 2K x 2K CCD **Please call for current price**

S3 with 3K x 2K CCD **Please call for current price**

*Image captured with S3 and cropped for layout.*

*Photo by Jim Schmelzer of model Jennifer Bradley.*

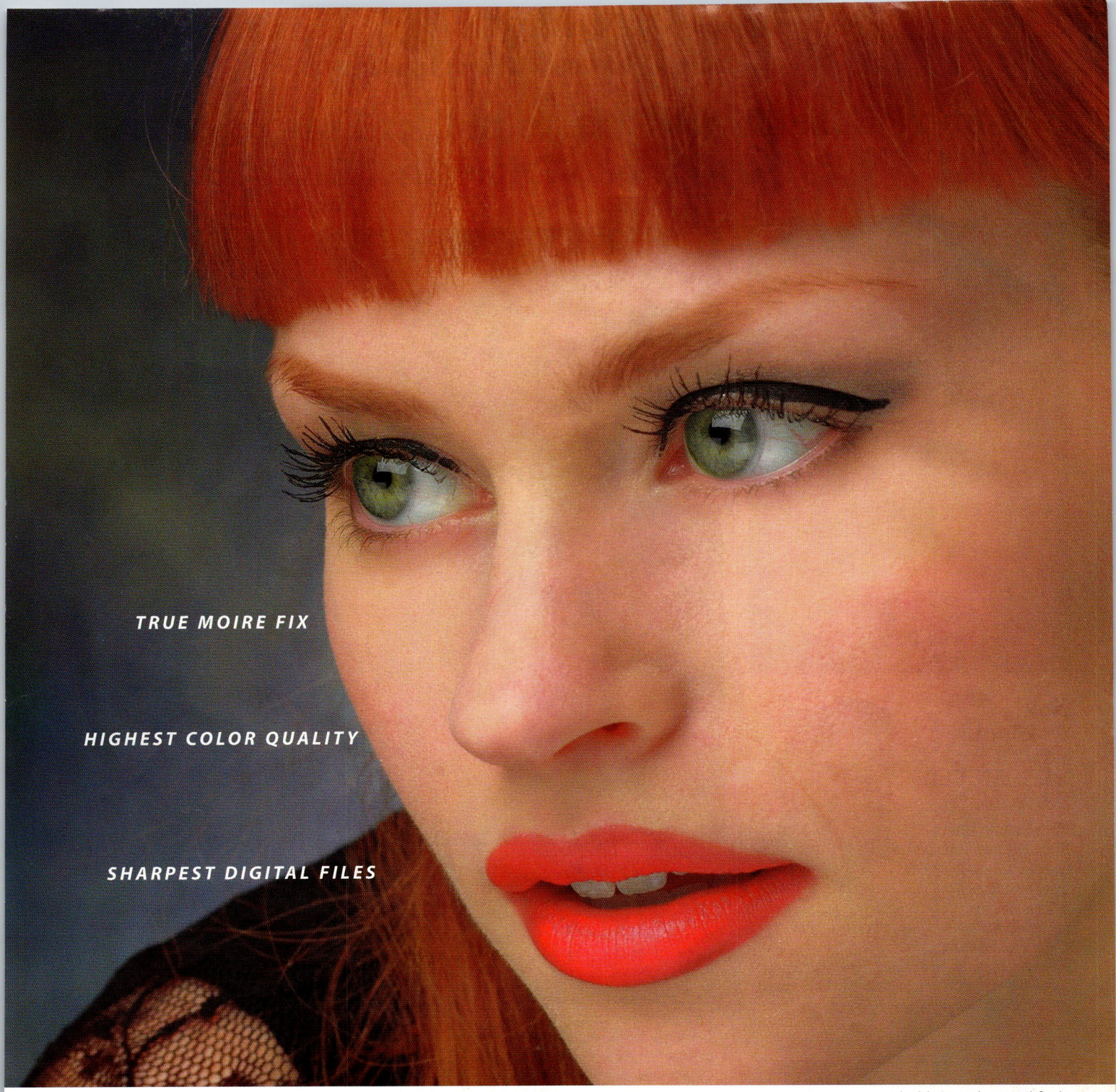
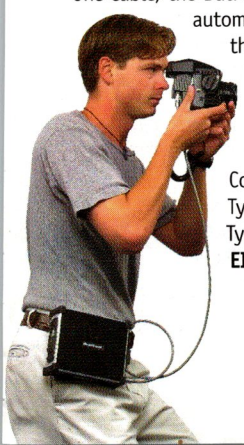



*Image captured with S3 and cropped for layout.*
*Photo by Jim Schmelzer of model Jennifer Bradley.*

### Portable BatPac Accessory

The perfect solution to high-resolution digital capture for location applications! Connecting with one cable, the BatPac captures images quickly and automatically downloads images to the portable PC card during pauses in shooting. A removable, metal hydride battery allows thousands of shots before recharging. Compatible with CompactFlash Type II (IBM Micro Drives) and Type III cards (on page 222).

**EI3070 $3990.00**



### Cambo Sliding Back

This convenient "sliding back" allows you to view through the ground glass and slide your film or digital back into place. Adapts to most digital backs and many popular roll film backs. Optional adapter required.

**CB6050 $1795.00**

*Please see page 15 for adapters and masks.*



| Specifications | S2 | S3 |
|---|---|---|
| File Size | 12MB RGB | 18MB RGB |
| (8 bit per color) | 16MB CMYK | 24MB CMYK |
| File Size | 24MB RGB | 36MB RGB |
| (16 bit per color) | 32MB CMYK | 48MB CMYK |
| Capture Rate | 0.8 seconds | 1.2 seconds |
| CCD Area Array | 2048 x 2048 | 3072 x 2048 |
| Equivalent Film Speed | 80 ISO | 50 ISO |
| Shutter Speed | 1/2– 1/250 | 8 sec. – 1/250 |

# Capture Unbelievable Images in Less Than 5 Seconds with MegaVision's Triple Shot Series!

## Customized Digital Training and Consulting

Understanding and learning to use your system is perhaps the most important aspect of your transition into digital photography. Calumet Digital Solutions offers in-depth, easy-to-understand training at your location so you can make the most effective use of your digital equipment. We tailor our affordable training courses to your organization's specific application and staff's needs.

We'll come to your site anywhere in North America. If you purchase your digital camera from CDS, you will receive a special discount on your course fee. For more information, please call toll-free 1-888-237-2022.



Photo by Steve Cash captured with T2

## Now Available with a 2K x 3K CCD Sensor!



*T2 shown on a Cambo Ultima.*

### MegaVision Triple-Shot Digital Backs

Whether your busy studio specializes in high-volume tabletop photography or your clients are demanding electronic files, the MegaVision Triple-Shot System's speed and versatility will immediately turn-around your jobs and help grow your business opportunities.

The MegaVision System lets you enjoy all the creative versatility of conventional photography without the high costs of consumable and downtime. Because your captured image is your final image, you can shoot faster without film and processing costs, waiting for the lab delivery or second guessing if you "got the shot" before tearing down the set.

Best of all, your images are never compromised by second-generation scanning or film processing errors. What you see is exactly what you get. Instantly!

Step into MegaVision's world of filmless photography and you'll instantly expand your creative possibilities! The Triple-Shot digital camera system now features two models: the T2 with a 2K x 2K sensor and the new T32 with a 2K x 3K sensor. Both digital backs feature these advantages.

- **Fast Capture without Interpolation**
  The T2 captures and displays a full-color, true 2048 x 2048 pixel image (a 12 MB file) in less than 10 seconds. The T32 captures and displays an 18 MB, 2048 x 3072 pixel image file in less than 10 seconds.
- **Perfect Composition and Live Video Focusing**
  The Triple-Shot Series' live video allows unparalleled ease of composition, sees what the camera sees, live, as you put the finishing touches on your set, or check your horizontal and vertical axis with the grid tool. The image updates two times per second and you can zoom in for critical focusing and checking fine detail right to the pixel level.
- **Sophisticated Software**
  MegaVision's advanced software provides all the critical tools you need to create a press-ready image without remapping data! Control the gamma, density range, light metering and more with the click of a mouse.
- **Platform Flexibility**
  The T2 and T32 digital backs are adaptable to all view cameras and compatible with Mac and Windows NT. Also converts for use with Nikon, Hasselblad or Mamiya lenses.
- **Outstanding Guarantee**
  MegaVision's triple pass system includes an industry leading one-year warranty program.
- **Additional Features**
  The Triple shot series also offers features like software-controlled with Caltar-D lenses in 1/10-stop increments. Other tools include cropping, retouching, sharpening and conversion tools from RGB to CMYK. All of these options can be used in a programmable, automatic batch processing feature.

T2 for Mac/PC **EI0105 Call for current price**

T32 for Mac/PC **EI3200 Call for current price**

### Lenses for T2 and T32

| | |
|---|---|
| Caltar-D 28mm f/2.8 | EI5003 |
| Caltar-D 47mm f/5.6 | EI5005 |
| Caltar-D 60mm f/4.0 | EI5010 |
| Caltar-D 80mm f/4.0 | EI5020 |
| Caltar-DE 80mm f/5.6 | EI5030 |
| Caltar-D 90mm f/4.5 | EI5040 |
| Caltar-D 100mm f/5.6 | EI5050 |
| Caltar-D 120mm f/5.6 | EI5060 |
| Caltar-DE 120mm f/5.6 | EI5070 |
| Caltar-D 135mm f/5.6 | EI5080 |
| Caltar-D 150mm f/5.6 | EI5090 |

*Please call for current pricing!*




*Photo by Russell Fichter, Quebecor Imaging U.S.A. captured with T2*

| Specifications | T2 | T32 |
|---|---|---|
| File Size (8 bit per color) | 12MB RGB<br>16MB CMYK | 18MB RGB<br>24MB CMYK |
| File Size (16 bit per color) | 24MB RGB<br>32MB CMYK | 36MB RGB<br>48MB CMYK |
| Capture Rate | Less than 5 seconds | |
| CCD Area Array | 2048 x 2048 | 3072 x 2048 |
| Equivalent Film Speed | 80 ISO | 50 ISO |
| Shutter Speed | ½– 1/250 | 8 sec. – 1/250 |




*T32 shown on a Cambo Ultima.*

## Tips.

To determine which digital system is ideal for your studio, call our digital hotline: 1-888-237-2022. We'll prepare a personalized "return on investment" evaluation to determine when your system would ultimately pay for itself. Or do your R.O.I. on-line at Calumet Digital Solution's web site: calumetdigital.com. It's just one of the ways we provide digital solutions tailored to your business!

# The World's Fastest, Highest Resolution, Most Versatile Scanning Backs



© Glenn Martin, 1999, Digital Outback, Reno, NV

**The main salsa image is shown at 25% of its original 137.3MB RGB file. The actual-size inset shows the incredible detail at 300 pixels per inch!**



*Photo using the portable battery pack. © 1998 Michael Collette, Better Light, Inc.*

## Best Technology and Value on the Market

### Better Light Scanning Backs

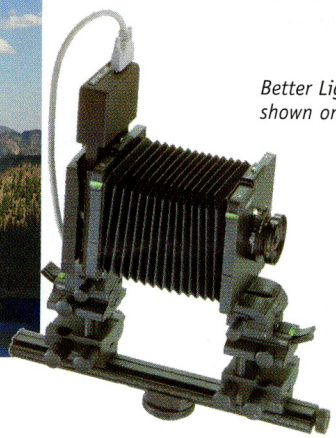
For the best technology in digital scanning camera backs, choose Better Light. This versatile 4x5 system delivers the largest file size and highest image quality at the most affordable price. If you think that's impressive, consider Better Light's advantages over the competition:

- **Record Speed**
  Fastest scan backs in the world with speeds 50% faster than other leading backs!
  53.6 MB RGB file in 41 seconds
  137.3 MB RGB file in 66 seconds
  244 MB RGB file in 133 seconds
- **Superior Image Quality**
  Produces the highest optical resolution with the world's most accurate and precise focus verification system. The competition doesn't come close.
- **True File Size**
  Delivers full file size, no matter what ISO you choose (With others, the file size decreases as the ISO goes up). Its true 800 ISO rating makes Better Light 2/3-stop more sensitive than the competitors.
- **Complete Portability**
  Optional, compact battery supply operates with your laptop computer for location and outdoor assignments.
- **Compatible with All Continuous Light**
  Line-frequency flicker rejection allows image capture with standard lighting.

All models can be upgraded to grow with your needs!

Model 4000 **MC1000 Call for current price**
Model 6000 **MC1100 Call for current price**
Model 8000 **MC1200 Call for current price**

**Rechargeable Battery and Carrying Case**
For complete portability on location.
**MC1900 Call for current price**



*Better Light Scanning Back shown on Cambo Ultima*










## Kodak DCS 315

The DCS 315 unites Nikon's high-performance Pronea 6i camera body with superb digital technology. Additional functions and controls include:

- Color LCD image analysis instantly displays your image, exposure information, date/time stamping and other functions
- Burst mode captures two frames per second every 11 seconds
- 1520x1008 resolution at 10-bit color
- 100-400 ISO rating
- Dual PCMCIA slots

Operates with six AA lithium, nickel cadmium or nickel metal hydride batteries (not included) or AC adapter. **EK0315**

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*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*

## Kodak 560/660 Digital Cameras

This digital system provides commercial photographers who require high-resolution images with a device which can meet their needs in a studio environment or in the field. The DCS 560/660 system offers:

- 18 MB file size
- Outstanding image resolution – thanks to a new 6 million pixel (2K x 3K) CCD – that retains it sharpness in a full-page, large format output.
- Superb image quality with optical anti-aliasing and true, consistent 12-bit color
- Maximum portability that lets you shoot untethered and unencumbered in the studio and on location at 1 frame per second for 3 frames
- Immediate review with a built-in LCD that lets you evaluate composition and examine exposure and histogram information on the spot – no waiting for processing, no wondering if you got the shot
- Workflow compatibility that integrates with your CMYK imaging applications as well as Canon/Nikon (depending on model) lenses, accessories and techniques

### 560 Digital Camera

Features the Canon EOS-1N
**EK5060**

### 660 Digital Camera

Features the Nikon F5
**EK0620**

## Kodak 520/620 Digital Cameras

Kodak's high-performance DCS 520 and 620 digital cameras feature either the Canon's EOS-1N or Nikon's F5 camera systems. This integrated approach offers a very compact design including a full image viewfinder and optical systems designed specifically for digital imaging. The DCS 520 and 620 feature the following digital imaging system developed by Kodak:

- A burst rate of 3.5 frames per second
- 1728 x 1152 resolution
- Color depth: 12 bits per color
- ISO rating 200 - 1600
- 6 MB file size
- Battery life of up to 300 shots or unlimited number with AC adapter
- Color LCD for image analysis
- Removable NiCD battery (not included)

### 520 Digital Camera

Features the Canon EOS-1N
**EK1060**

### 620 Digital Camera

Features the Nikon F5
**EK1062**




## Minolta Dimage RD3000

- 2.7 million pixels (1984 x 1360 resolution) for sharp, clear prints
- SLR design with high quality interchangeable lenses
- 2" TFT LCD monitor for instant review
- Continuous capture of approximately 1.5 fps up to 5 frames
- Compatible with CompactFlash Card Type I and Type II
- Lightweight and compact design

**MN2200**

**Order Anytime**
**Day or Night!**
Toll Free Fax 1-800-577-3686

**Minolta Lenses for Dimage RD3000**

| | |
|---|---|
| V 22-80mm f/4-5.6 | MN2202 |
| V 28-56mm f/4-5.6 | MN2204 |
| V 25-150mm f/4.5-6.3 | MN2206 |
| V 80-240mm f/4.5-5.6 | MN2208 |
| V 50mm f/3.5 Macro | MN2210 |




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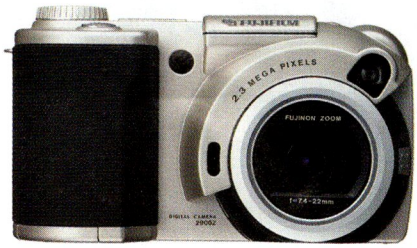



### Fujix DS-330

The DS-330 offers "auto" controls plus a full complement of manual controls for high-quality image capture with a Super EBC Fujinon lens, a 1.4 million square pixel CCD (1280x1000) and optical 3X Zoom lens. It also features:

- Convenient live preview and instant playback video and five intelligent exposure modes
- Optional color LCD viewfinder enables users to view the precise through-the-lens image and do on-screen checks for such shooting conditions as aperture, shutter speed and exposure compensation. Ideal for a wide range of lighting conditions and photographic applications for both professional and business use
- Protected by an injection-molded camera shell made out of a corrosion-resistant, high-purity magnesium alloy **FZ2351**

**Optional LV-D3 LCD Viewfinder**
Views subjects without parallax distortion. Also displays aperture setting, shutter speed and exposure compensation. **FZ2497**




### Fujifilm MX-2900

- 1800 x 1200 resolution
- Optical viewfinder and 2" LCD monitor
- External flash hot shoe
- Smart media card included
- 2.5x Digital Zoom lens
- 3x (35-105mm) optical zoom
- JPEG and uncompressed TIFF 4.32MB
- 43mm filter thread
- Manual exposure controls
- Lithium-ion rechargeable battery and AC adapter included

**FZ2404**




### Fujifilm MX-2700

- 1800 x 1200 resolution
- Optical viewfinder and 2" LCD monitor
- Smart media card included
- 2.5x Digital Zoom lens

**FZ2402**

### Sony DSC-D770 Cybershot Pro

This digital still camera offers exceptional image quality and professional features such as:

- Up to 1344x1024 image resolution
- 5X manual optical zoom lens with manual focus
- 2.5" advanced color LCD with brightness control (180K pixels)
- Removable ATA Type II PC Card Data Storage or Supplied Memory Stick™ Digital Data Storage Media
- Supplied PC card reader (parallel port adapter)
- JPEG or TIFF file formats
- Integrated pop-up flash and hot shoe
- Center-weighted averaging/spot metering system with AE lock function
- Four seconds to 1/2000 second shutter speeds
- New histogram function represents luminosity and color levels in an image

**SZ1110**




### Canon PowerShot Pro70

Drawing on the design elements for Canon's top-selling EOS, the Pro70 features:

- Megapixel 1536x1024 resolution for incredible image quality
- 28-70mm f/2.0-2.4 power zoom lens for fast, one-lens flexibility
- Four frames per second burst mode and high-speed TTL-AF for capturing action
- Two industry-standard CompactFlash slots for high-storage capacity
- 2" TFT LCD and optical viewfinder for easy operation in all conditions

**EC2700**

**TECHNICAL ASSISTANCE**
Toll-Free 1-888-888-9083

*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*

For Digital Supplies
See Pages 220-222




### Nikon Coolpix 950 Digital Camera

- 1600 x 1200 resolution
- ½" high density CCD, 2.11 million pixels
- 3x Nikkor Zoom lens with contrast-detect TTL autofocus
- 4-step digital zoom (1.25x, 1.6x, 2x and 2.5x)
- 3 mode TTL metering, 256-element Matrix, Spot and Center-weighted
- 3 mode Focusing: continuous AF, single AF and manual focus
- Focus from 12" to infinity (0.8" to infinity in macro mode)
- Programmed Auto Exposure (AE), Shutter-priority Auto, Aperture-priority Auto, and Manual exposure compensation (±2EV in ⅓ EV steps)
- Uses Compact Flash cards
- ISO 80 equivalent
- Built-in Speedlight with guide number 30 (at ISO 100)

**NZ1950**




### Sony MVC-FD91 Digital Mavica Camera

The MVC-FD allows you to capture high-resolution (1024x768) still images and up to 60 seconds of video and audio right onto a standard 3.5" floppy disk – no hassles with connecting wires or interfaces! This is the fastest, most convenient way to get video into your personal computer for e-mail, web sites or presentations. Other new advantages:

- Voice Memo mode so you can add 5 seconds of narration to your images. Perfect for scouting!
- E-mail Mode which reduces the size of your file to ¼ the standard file (320x240) or MPEG files (160x112) for fast Internet downloads
- Advanced LCD color viewfinder which provides excellent viewing clarity with increased resolution
- Other conveniences: 14x optical zoom, three mode auto exposure and auto/manual focus

**SZ1090**




### Kodak DC265

- 1536 x 1024 resolution
- ISO 100 equivalent
- 16 MB Compact Flash card included
- 3x optical plus 2x digital zoom lens
- LCD shot-preview
- Full Macintosh and Windows USB support for fast, easy picture downloads
- Comes with 4 AA NMH batteries and charger

**EK0265**




### Olympus C-2000 Zoom

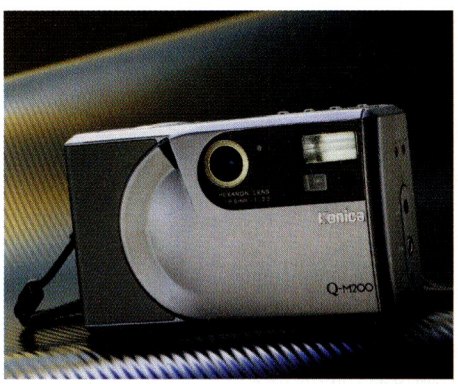
Housed in a convenient, compact aluminum chassis, the C-2000 Zoom is also the perfect point-and-shoot camera with the following features:

- 1600x1200 pixels (2.1 megapixels)
- 3X optical zoom
- Uses Smart Media
- Manual exposure overrides
- Captures up to 45 shots in ½ second intervals
- Manual settings for aperture priority, shutter priority, ISO, white balance and quick-focus

**OM1630**

**Olympus C-2500 OM1635**

*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*




### Konica Q-M200 Digital Camera

- 1600 x 1200 resolution (2.1 megapixel)
- 1.8" TFT color LCD monitor
- 2x digital zoom
- 35-105mm 3x optical lens
- Comes with 3 AA NMH batteries, charger and 8 MB compact flash card
- Built-in 4-mode autoflash

| | |
|---|---|
| Digital Camera | **KH1000** |
| AC Adapter | **KH1002** |
| Battery and Charger | **KH1003** |

# Scanners

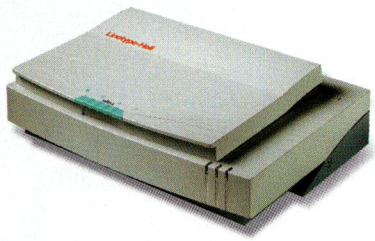



## Linotype Saphir HiRes

Get professional prepress quality from this single-page flatbed scanner with integrated color management. Its MovingPlate design scan bed delivers crisp scans with vibration-free mechanics. Its unique DoubleLens system gives you the flexibility to accommodate small or large originals. Specifications include:

- Resolution: 11.7 x 8.5" (reflective and transparency) at 1220 x 3048 ppi in StandardRes mode. In HighRes mode, optical resolution is 3048 x 3048 ppi
- 3.6 D Dynamic Range
- Signal resolution: 42 bit color depth = 14 bits per pixel and color (hardware)

For Power Macintosh **IM4808**



## Linotype Opal Ultra

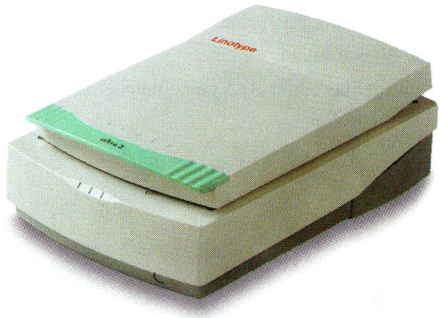
This multiformat flatbed scanner offers a great combination of large format, high resolution and intelligent scanning software for fast, accurate color scans on the desktop in a wide range of sizes up to 11.4 x 17" originals.

Specifications include:

- Resolution: 1400 x 2800 ppi for originals up to 5.7" wide
- 36 bit sample depth, 3.3 density range
- Integrated transparency unit
- Enlargements to 600% (high-res mode)
- Double Lens System accommodates small or large originals
- Automatically calculates optimal scan parameters for each original

For Mac **IM4817**

For PC **IM4819**




## Linotype Saphir Ultra 2

This affordable scanner includes professional color management software that makes is easy to do fast, accurate color adjustments – even if you have absolutely no experience. The Saphir Ultra 2 is a 42-bit flatbed scanner that features:

- High-optical resolution scans of 1200 x 2400 ppi with 10,600 pixel color CCD
- Scaling range to 600%
- Processes images with ColorAssistant™ automatically removing color casts, defining image densities and enhancing contrast
- Full ICC support for RGB, as well as CMYK, ensures color-managed workflows from input through output
- Scans reflective art, transparencies, color, black & white, line art, positives and negatives.
- Accepts up to 11.7 x 8.5" for reflective originals and 10" x 8.5" for transparent originals.

For Mac **IM4800**

For PC **IM4805**

*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*




## Imacon FlexTight Precision II

This multiformat scanner combines the extraordinary image quality of the high end drum scanner with the ease of use of a flatbed. Its CCD Single pass (3 x 8000 pixels) optic sensor will scan transparencies from 35mm to 4x5" and 6 x 17cm and reflective originals up to 8.5 x 12".

Specifications include:

- Resolution: up to 5760 ppi
- Image quality: 14 bit RGB (scan at 24 or 48 bit)
- Optical density: 0 – 4.1 Dmax

The Precision II measures 9.7 x 13.8 x 25.6" and weighs 27 lbs.

For Mac **IV1200**

For PC **IV1210**



## Imacon FlexTight Photo

This easy-to-use, single-pass scanner is designed to scan multiple film formats and provide perfect high repro-quality images. The FlexTight offers the following important features:

- 8 or 16 bit gray scale with 24 or 48-bit RGB color
- 64-bit CMYK, 14-bit A/D 0-4.1 Dmax
- Optical resolution 72dpi to true 3200 ppi
- 20% to 1066% magnification
- Handles standard film sizes include 35mm x 2, up to 6 x 18cm, positives and negatives.

For Mac **IV1000**

TECHNICAL ASSISTANCE
Toll-Free 1-888-888-9083



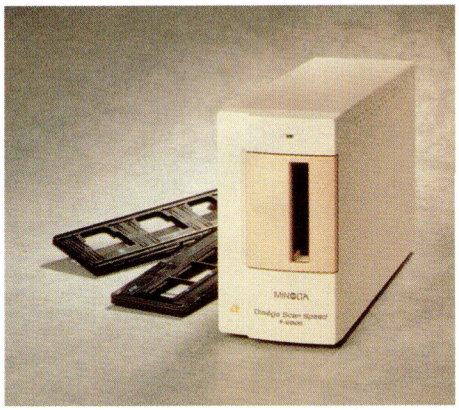
### Sony UY-S77-3 35mm Film Scanner

Designed for high productivity with advanced capabilities such as fast scanning speed and hands-free, automatic roll scanning. High quality images can be captured from 35mm and APS color slides, black & white negatives and color negatives, making this scanner ideal for photo-finishing and desktop publishing applications.

Specifications include:

- Maximum resolution: approximately 2200 ppi
- Color depth: Internal processing: 12 bits per color
- One path scanning with 3-line RGB color CCD

The UY-S77-3 measures 17.25 x 5.8 x 22.2" and weighs 26 lbs. 7 oz. **SZ1005**



### Minolta Dimage Scan Speed

Offers 35mm and APS scanning capabilities. It can scan a full-resolution 35mm color positive in just 30 seconds. Specifications include:

- 2820 ppi resolution
- 0 – 3.6 optical density range
- 36 bits color

The Dimage Scan Speed measures 3.6 x 6.3 x 10.7" and weighs 4.4 lbs. **MN2240**

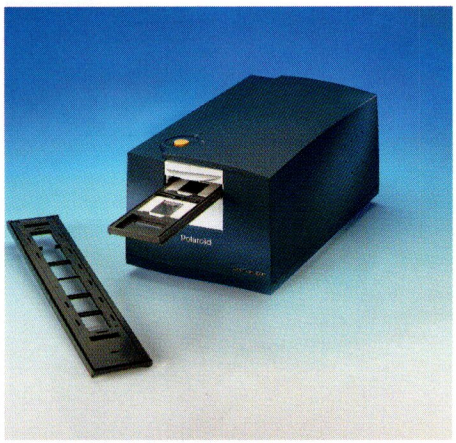


### Agfa Duoscan T2500

Now service bureaus, graphic design studios and corporate marketing departments can afford professional, in-house scanning thanks to the Duoscan T2500. This versatile, one-pass scanner offers:

- Built-in transparency (glassless) and reflective scanning beds which can be scanned consecutively
- Scans both positive and negative film and prints
- Dual lenses allow either the full bed width to be scanned at medium resolution (1250 ppi optical) or half of the width at high resolution (2500 ppi optical)
- 36 bit color sample depth
- 3.4D (Dmax: 3.5D) density range
- 2500 x 2500ppi high resolution (Reflective: 4 x 14" area; Transmissive: 4 x 12" area)

**AZ1700**



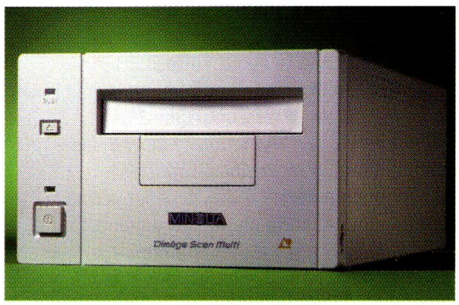
### Polaroid SprintScan 4000 35mm Film Scanner

Here is a high performance scanner that delivers professional quality 35mm slides, film strips and APS film formats without compromise. For fast and easy film handling, the SprintScan 4000 provides a system designed for automatically managing multiple images. Specifications include:

- Resolution 4000 x 4000 ppi
- 36 bit color
- 0 – 3.4 optical density range

The SprintScan 4000 measures 7 x 5.5 x 12.5" and weighs 8 lbs.

For Mac **PO9071**
For PC **PO9074**



### Minolta Dimage Scan Multi

In addition to 35mm film, it also handles several sizes of medium format, including 6x9cm. Specifications include:

- 2820 ppi resolution
- 36 bit color
- 0-3.6 optical density range
- Scans 35mm in approximately 48 seconds, 60 seconds for 6x9cm

The Dimage Scan Multi measures 7.8 x 16.2 x 4.8". **MN2230**



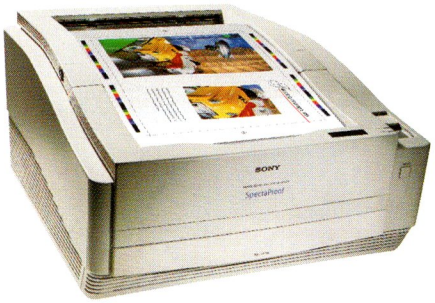
### Nikon Super Coolscan LS-2000

This versatile film scanner features Digital ICE Technology, which removes surface defects such as dust, scratches and fingerprints from scans. Handles 35mm film in strip or slide formats and APS film. Specifications include:

- 2700 ppi resolution
- 36 bit color
- 0 – 3.6 dynamic range
- Average scan times of 20 seconds

For Windows **NZ5021**
For Mac **NZ5020**

*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*



## Sony SpectaProof UP-D9500

The UP-D9500 is a high-quality 11x17 digital remote color-accurate proofer with built-in RIP and network capabilities. It achieves outstanding performance with full-color output in under five minutes. With an image area up to 18⅛ x 12¾, this printer is extremely accurate, capable of excellent color matching both site to site and proof to proof. It also offers:

- Dye Sub and Variable Dot modes lets you print 2-page spreads quickly and cost-effectively: Dye Sub for full-gamut 24 bit continuous tone CMKY printing or Variable Dot for proofs similar in gamut, dot size and finish to offset printing
- IC chip on each color ink ribbon automatically compensates for variations in print media so color remains stable even with ribbon changes
- Razor sharp color registration
- Choose from standard preset color tables or import ICC color profiles of other color targets with the included Color Management software
- Excellent resolution of up to 300x600 dpi with 256 graduations for CMYK in dye sublimation

**SZ4055**



## Kodak 8670 Color Thermal Dye Printer

With its auto-emulation, the 8670 will automatically recognizes print jobs as Raster or Postscript and processes them appropriately. Simplified color management provides users with an easy-to-use solution to achieve consistent high-quality color-right images. The 8670 also includes auto detection memory, and offers an optional 10/100 Mb Network Interface Card, resulting in easy setup and printer installation. Specifications include:

- 48 MB memory
- Continuous-tone output, 24-bit color
- Flexible printing options
- Thermal dye diffusion printing process
- Print resolution: 300 ppi continuous-tone
- Printing time: 70 seconds

**EK1524**




*Fuji Pictrography 3000*




## Fuji Pictrography 3000

This innovative digital printer gives brilliant, photo-quality color output from a wide range of digital image data. Print directly from computer graphics, scanned images and Photo CDs – without chemicals or toner. The first print takes only two minutes, and each subsequent print of the same image is produced in about 70 seconds.

Unlike the simulated color from dye-sublimation or inkjet printers, the Pictrography 3000 incorporates a new revolutionary laser diode-exposed imaging technology. Fujifilm's AutoCalibration device makes superior accuracy easy to achieve: there are no lot numbers to register and no test patches to examine by eye.

The Pictrography 3000's LCD control panel provides all necessary instructions. Loading donor paper and receiving paper is fast and simple, and the absence of chemicals and toner keeps maintenance to minimum. It calibrates color accurately through a closed-loop color calibration system. Just set your optimum color conditions to maintain consistency over time or between print jobs.

### Specifications include:

- Outputs A4, letter size and special size
- Silver halide photographic process combined with LD exposure and Thermal Development and Transfer
- Recording/pixel density: 400dpi

The Pictrography 3000 measures 26 x 22 x 22".

**With 30MB FZ2805**
**With 48MB FZ2810**



## Fuji Pictrography 4000

Building on the proven reliability of the Pictrography 3000, the 4000 can print up to 13 different sizes ranging from 4 x 6" postcard through full bleed tabloid 12.4 x 18.3". Print the tabloid size in only 93 seconds with subsequent prints of the same image at 58 seconds. Printing 16.7 million colors at 400 dpi onto photographic paper and OHP transparencies, the printer is ideal for users who require the highest quality output. Comes with 120 MB memory. Quick cassette changes without recalibration assures high productivity and low waste. **FZ4000**

For Digital Supplies, See pages 220 – 222.



*Epson Stylus Photo 1200*

## Epson Photo Printers

### Epson Stylus Photo 750

This extra-ordinary printer offers an impressive 1440 x 720 dpi resolution, AcuPhoto Halftoning™, 6-color ink system and 6-picoliter dot size. Using Epson's Micro Piezo™ drop technology, the Stylus Photo 750 allows you to print images up to 8½ x 14" (legal), and even 8½ x 44" panoramics. With flexible parallel, serial and built-in USB connectivity, the Stylus Photo 750 is ideal for Windows®, Macintosh ® and iMac™ users alike. **IM5003**

### Epson Stylus Photo 1200

The Stylus Photo 1200 inkjet printer delivers sharp, 6-color professional portfolios, posters and pananormics up to 13x44" long. Its quick speeds produce 8x10" prints in two minutes with resolution of 1440 x 720dpi. It also comes with Epson's digital PhotoLab software featuring Adobe Photoshop® 5.0 LE and valuable plug-ins for expert photo editing, compositing, duplicating and reprinting. **IM5009**

### Epson Stylus Color 3000

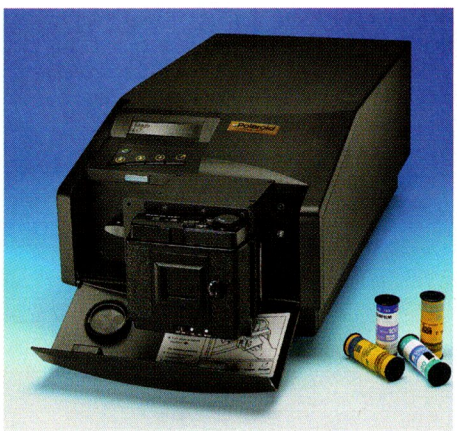
Developed with the graphic designer in mind, the Stylus Color 3000 4-color printer allows you to present full bleed, 13 x 19 design layouts at an astonishing 1440 x 720 dpi. The Stylus Color 3000 utilizes Epson's Micro Piezo™ ink jet technology, QuickDry™ inks and AcuPhoto™ halftoning and accepts sheet paper up to 17 x 22". Standard features include Adobe PostScript Level 2 for Windows 95/98 and Mac OS and Pantone calibrated approved colors, in addition to options like internal Ethernet for Ether Talk, Novell and TCP/IP network support. The Stylus Color 3000 comes with a full two year limited warranty. **IM5008**

*Prices on these items change constantly. Please call or visit calumetphoto.com for our current competitive prices. Thank you!*



### Polaroid ProPalette 7000 Digital Film Printer

This color film recorder is ideal for creating virtually any 35mm slide presentation. The 7000 produces professional-quality 35mm slides at 4000 lines of resolution, typically in less than two minutes per slide. The ProPalette is the only desktop color film recorder with a high-resolution 7" CRT and custom optics, ensuring super-small "spot size" and the sharpest image clarity among film recorders. The ProPalette 7000 also features automatic exposure, color balance control, dynamic focus circuitry and 36-bit color depth. **P09370**



### Polaroid ProPalette 8035, 8067, 8045 Digital Film Printers

This bright imaging solution features 8000 line resolution, high resolution 7" CRT with proprietary anti-reflection and anti-static coating, 24-bit color images via 36-bit color exposure process for smooth ramped backgrounds with up to 16.8 million brilliant colors from a palette of 68 billion colors. The ProPalette 8000 Series produces high-quality second originals.

8035 with 35mm back **P09384**

8067 with factory-matched 6x7 and 35mm back **P09386**

8045 with factory-matched 4x5 and 35mm back **P09388**



### Olympus P-330 Digital Photo Printer

This unique photo printer connects directly to your TV, VCR, camcorder or digital camera to produce photo-quality prints. You don't even need a computer. You can print single or multiple prints on plain or adhesive-backed paper, or create miniature photo stickers – 16 to a page. Connect the P-330 to a Mac or PC and you can output any computer-generated image. Image size: 4½ x 3⅜" **OM1705**



### Sony DPP-MS300

With this dye sublimation printer, you don't even have to have your computer around to make prints. In addition to the Memory Stick media slot, there is also a PC Card type II slot so you can print images that are saved on a PC Card, or even a Smart Media, or Compact Flash memory cards using an optional PC Card adapter. For extra convenience, connect the DPP-MS300 to your computer using the parallel connection. By doing this you can also print images from files on your PC. Image size: 4½ x 3⅓". **SZ1000**



The first view camera
specifically designed for digital photography.

# Cambo Ultima

"The Ultima's movements are extremely precise and finely geared which are critical for digital photography. Because the digital chip is so small, every tiny camera move makes a big difference while focusing. I used to fight traditional view cameras to get that kind of precision. The Ultima is a fabulous piece of equipment."

**Russell Fichter,**
*Quebecor Imaging Chicago*
Schaumburg, Illinois



*Photo by Russell Fichter/Quebecor Imaging Chicago*

# Tomorrow's Technology for Today's Digital Studio

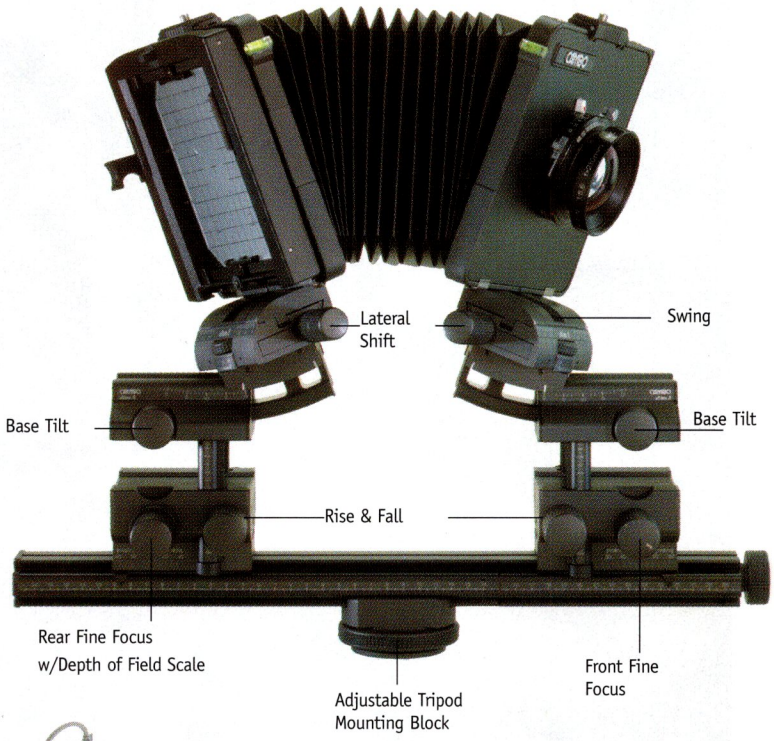
## Cambo Ultima

After closely examining the view cameras in today's market, Cambo realized that there wasn't a single camera designed specifically for digital imaging. Because of the highly sensitive requirements of focusing on such a small "chip" plane, digital imaging requires the extremely tight tolerances of ultra-fine camera movements. In order to fill this increasingly critical void, Cambo created the Ultima.

As its name implies, the Ultima offers the ultimate in precision image control for both digital and traditional large format photographers. Cambo's newest view camera represents an entirely new and distinctive design created for high performance, maximum flexibility, and pinpoint accuracy.

The Ultima's compact, symmetrical shape and sleek, aluminum construction provide utmost stability, while its fluid-smooth, geared movements, progressive brakes and positive position locks instill a sense of precision and fingertip control.

Cambo designers have incorporated numerous special features beneficial to today's digital photographer, including a revolutionary "depth adjustment" which allows the user to position the digital chip of any, and all backs precisely where it needs to be for maximum performance. This unique movement makes the Ultima universally compatible with all digital scanning backs, including MegaVision, BetterLight, Leaf and Eyelike.




## Features

- Full range of movements suitable for both traditional and digital
- Precision geared fine focus, rise and fall, tilt, swing and shifts
- Dual range focusing for rapid coarse and precision fine focusing
- Depth of field scale
- Zero-position detents with definite end stops
- "Virtual Pivot" design for fully yaw-free variable axis tilts
- Individual locks on coarse and fine focus, rise and fall movements
- Symmetrical design on front and rear standards for easier operation
- High quality aluminum body with durable metallic finish
- Extremely rigid compact design
- Converts easily, and economically, to 8x10" and 2¼" roll film format view cameras
- Unique design allows for use of lenses down to 47mm — without requiring a recessed lensboard

**Cambo Ultima D**
For digital applications. Includes wide angle bellows, short monorail and tripod. **EI5001 $3695.00**

**Cambo Ultima**
Includes standard bellows, split monorail and adjustable tripod mounting block and ground glass back. **CB4240 $3995.00**

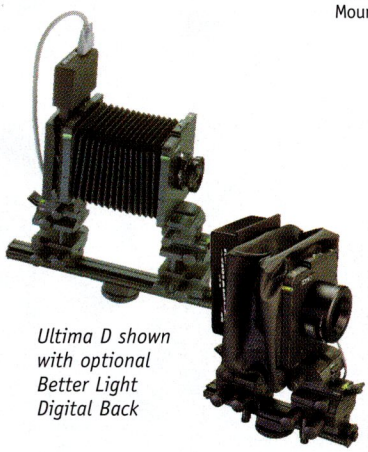
## Unique benefits for enhanced digital performance:

- Unique film, or chip plane "depth adjustment" allows precise alignment of chip plane, preventing the center of the image from moving out of focus when swing or tilt movements are applied
- Rigidly designed base tilt mechanism provides an extremely stable platform for heavy digital backs
- Compact shape and self-locking rise and fall movement allow for even the heaviest of digital backs to be used effectively
- Tight tolerances on precision gearing, specially when focusing on small chips

## Ultima Accessories

| | | |
|---|---|---|
| Flat Lensboards* | | $54.95 |
| Recessed Lensboards* | | $64.95 |
| 15cm Extention Rail | CB4920 | $119.95 |
| 30cm Extention Rail | CB4922 | $119.95 |
| Rail Clamp | CB4924 | $149.95 |
| Wide Angle Bellows | CB4918 | $259.95 |
| Binocular Viewing Hood | CB4938 | $549.95 |

**specify shutter size*



*Ultima D shown with optional Better Light Digital Back*

*Ultima D shown with optional MegaVision Digital Back*

## Ultima Specifications

**Monorail length:**
300mm for digital
480mm for film
**Minimum Extension:** 20mm
**Tilts:** ±20° front and rear
**Swings:** ±30° front & rear
**Rise & Fall:** ±20mm front & rear
**Lateral Shifts:** ±25mm
**Weight:** 13.2 lbs

**Cambo Sliding Back**
This convenient "sliding back" allows you to view through the ground glass and slide your film or digital back into place. Adapts to most digital backs and many popular roll film backs. Optional adapter required. **CB6050 $1795.00**

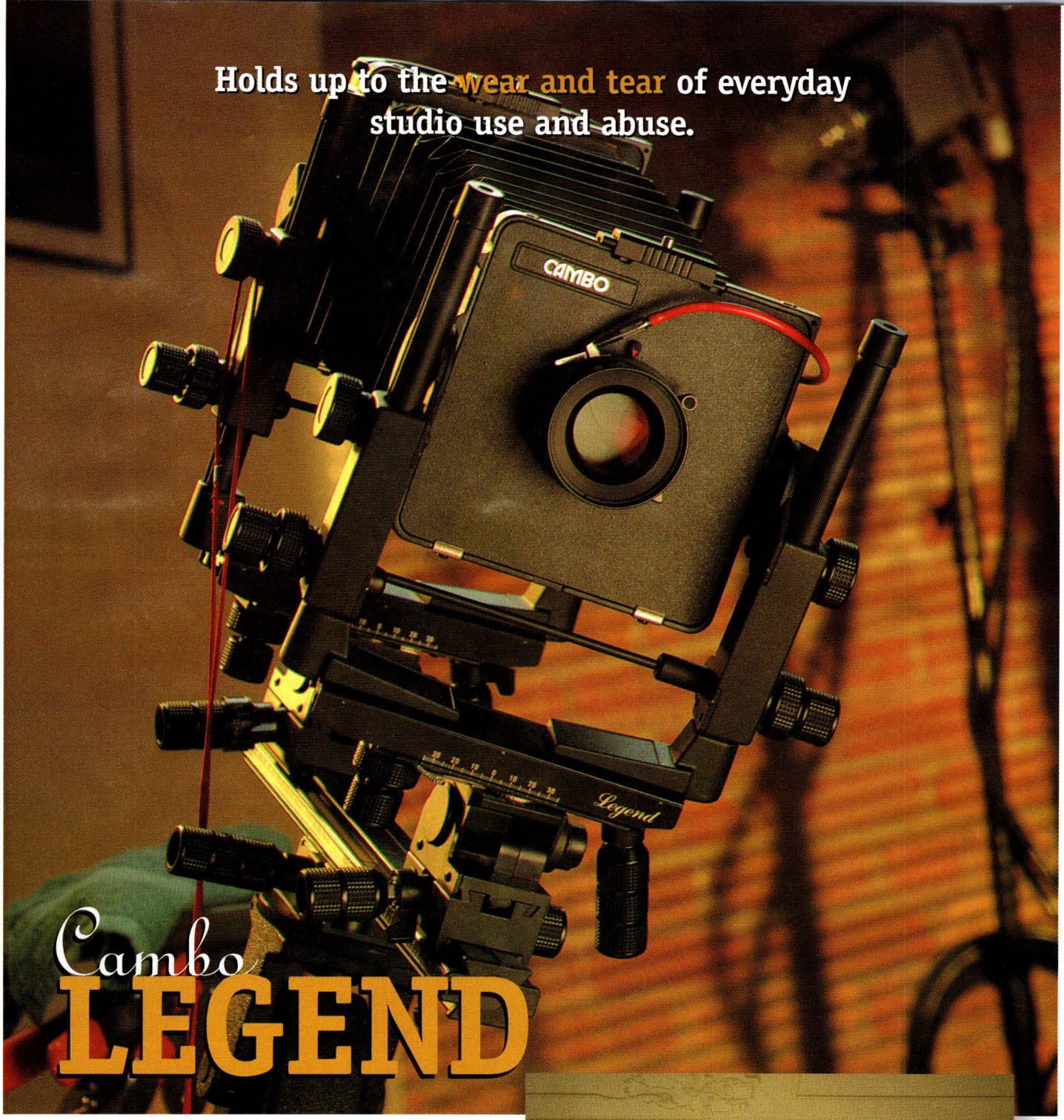
**Sliding Back Adapters & Masks**

| | | |
|---|---|---|
| Hasselblad Adapter | CB6070 | $349.95 |
| Mamiya RB Adapter | CB6075 | $989.95 |
| Mamiya RZ Adapter | CB6080 | $449.95 |
| Mamiya 645 Adapter | CB6085 | $419.95 |

**Sliding Back Masks**

| | | |
|---|---|---|
| For 24x36 CCD Back | CB6086 | $109.95 |
| For 31x31 CCD Back | CB6087 | $99.95 |






**"The Cambo Legend is my workhorse for home interiors and table-top photographs in the studio. The adjustments are easy, fluid and precise. I use it constantly and it's still as fluid and tight as the day I bought it!"**

**David O. Marlow,**
*Marlow Aspen*
Aspen, Colorado



*Photo by David O. Marlow*

## "One of the 25 best cameras in the world!"

*"When we think of good bargains in view cameras and lenses, one of the first places that should come to mind is, naturally, Calumet. . . (The Cambo Legend is) the soul of the workhorse, all-purpose studio view camera. Every aspect of its design is practical, useful, well-thought-out, and well-executed. (*Best Buy)"*

**Photo Techniques**
*25 Best Cameras in the World*

**Strong and Solid Construction for Today's Growing Studio**
Cambo's Legend Series cameras are built to take a beating and hold up to the wear and tear of everyday studio use. These solidly designed and ruggedly constructed view cameras are a popular favorite in many of today's large catalog studios because they are so durable and dependable — day-in and day-out. The Legend's all-metal, U-frame standards are among the most rigid ever designed and capable of flawless performance . . . year after year.

**Fluid-Smooth Movements**
Rack and pinion rise and fall, lateral shifts and fine focusing provide precise image control. All movements are calibrated for quick reference and easy repeatability with convenient zero-position detents.

**Easily Extendable Monorail System**
The Legend's standard two-section, split monorail allows for convenient storage and travel, plus provides a short (10") section that is perfect for wide angle work. Cambo's add-on monorail extensions offer quick and smooth transitions from close-ups and macro work to wide angle views and everything in between. Extensions can be added or removed conveniently, without dismantling the camera, and they provide uninterrupted, full-length focusing.

**Available With or Without Yaw-free, Base-tilt, Perspective Control (PC)**
The Legend pc models feature yaw-free base-tilts which allows the table-top photographer to level the camera's pivot point while shooting, as they often are, with the camera inclined in the downward position. This added tilt movement means no more set-up compromises and helps eliminate shape distortions in your subjects. All Legend series cameras feature standard axial tilt controls and a convenient depth-of-field scale which determines the proper focal point and computes the optimum aperture required to match the sharpness range you desire.

**Complete and Economical Accessory System**
No matter what camera configuration a shot calls for, there's a Cambo accessory that will fill the bill – and will do so more cost-effectively than any other large format system. See pages 110-113 for details.

**Best Buy in Serious Large Format**
When you compare quality and value of all studio view camera systems on the market today, the Cambo Legend series cameras clearly come out on top.

### Cambo Legend 4x5

Includes u-frame standards, 2-section monorail, mounting block, bellows, revolving back with ruled ground glass and 3-warranty. (Lens and lensboard not included.) **CB4115 $1999.00**

3 year Warranty

### Cambo Legend 8x10

Includes u-frame standards, 2-section monorail, heavy-duty mounting block, bellows, bellows support, easy loading back with ruled ground glass and 3-year warranty. (Lens and lensboard not included.) **CB4040 $3295.00**

## With Yaw-free Base Tilts!

### Cambo Legend pc 4x5

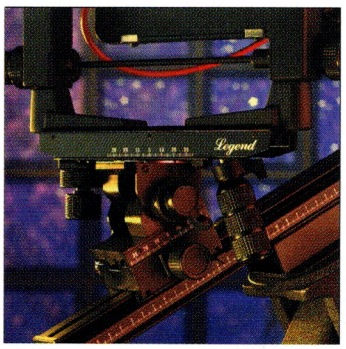
Includes u-frame standards with base tilts, 2-section monorail, mounting block, bellows, revolving back with ruled ground glass and 3-year warranty. (Lens and lensboard not included.) **CB4220 $2795.00**

### Cambo Legend pc 8x10

Includes u-frame standards with base tilts, 2-section monorail, heavy-duty mounting block, bellows support, easy-loading back with ruled ground glass and 3-year warranty. (Lens and lensboard not included.) **CB4045 $4295.00**



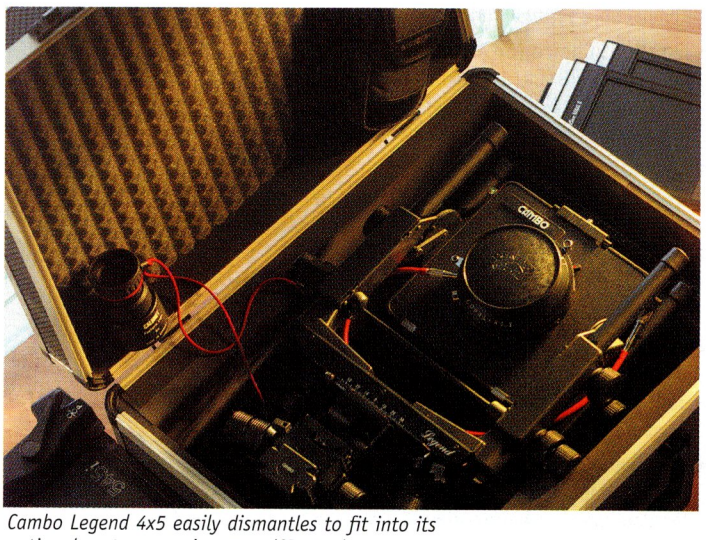
*Cambo's extensive accessory system provides plenty of extension for macro applications. Legend pc shown here with optional extra standard bellows, bellows coupling standard, 25½" rail extension and deluxe compendium shade.*



*The Legend pc model features yaw-free base tilts to help control sharpness and shape.*



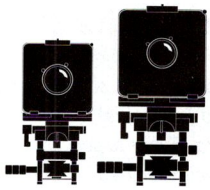
**For detailed specifications on each Legend camera, please turn to page 21.**



*Cambo Legend 4x5 easily dismantles to fit into its optional custom carrying case (CB4280).*




*Cambo's 23SF on-location in Wausau, Wisconsin.*



For detailed specifications on each SF camera, please see next page.




*23SF and 45SF*

3 year Warranty

## Cambo's SF Super Fields!

Whether you're an architectural shooter, a field photographer, or a commercial studio specialist, the Cambo SF series cameras will provide a new perspective to your work. These compact, monorail view cameras offer a full range of perspective and image control movements to handle even the most demanding assignments, and yet are small enough to take with you anywhere. Explore the world of large and medium format photography with the 45SF and 23SF and you'll be amazed how easy it is to make images of the highest quality. Both the Cambo 45SF and the 23SF offer these fine features:

- **Sleek, Compact Design Focused on Today's Active Shooter**
  These low profile cameras provide impressive portability not often found in a large format monorail view camera. They are lightweight, yet rugged; compactible yet fully functional.
- **Excellent Choice for Architectural, Field and Location Photography**
  With their substantial image controls, including convenient base tilts and substantial rear standard movements, these cameras are perfect for any serious architectural photographer or large format location shooter.
- **Simple and Efficient Movements**
  All controls and locking knobs offer single-handed operation for quick and easy use.
- **Rock-solid Construction**
  Rugged metal standards and monorail provide plenty of stability whether you're shooting in the field or in your studio.
- **Compatible with Complete Cambo Accessory System**
  No matter how you apply these compact cameras to your work (and your pleasure) they can be expanded or compressed simply and economically via Cambo's extensive accessory system.
- **Easily and Economically Adaptable to a Multitude of Formats**
  Whether you're using the 23SF or 45SF, it's easy and economically feasible to adapt your camera to other film formats, from medium format, to panoramic, to full 4x5.

## Medium Format with Complete Perspective Control

### 23SF View Camera

Includes front and rear standards, interchangeable bellows, mounting block, ruled ground glass and 3-year warranty. (Lens, lensboard and roll film holder not included.)
**CB4023 $1795.00**

### 23SF 4x5 Conversion Kit

Converts 23SF into a full-featured 4x5 view camera. Includes tapered 4x5 bellows, 4x5 rear standard and non-revolving ground glass back.
**CB0180 $699.95**

### 23SF with 4x5 Conversion Package

Includes 23SF and 4x5 Conversion Kit. **CB4023K $2195.00**

## Take Your Show on the Road or in the Studio!

### 45SF View Camera

Includes front and rear standards, interchangeable bellows, mounting block, ruled ground glass and 3-year warranty. (Lens and lensboard not included) **CB4020 $1695.00**

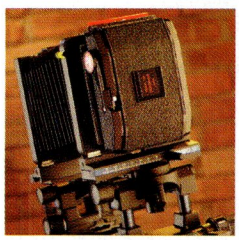
### 45SF Wide Angle Kit

Includes 45SF camera, wide angle bellows and Fresnel lens.
(Lens and lensboard not included.)
**CB4020K1 $1895.00**

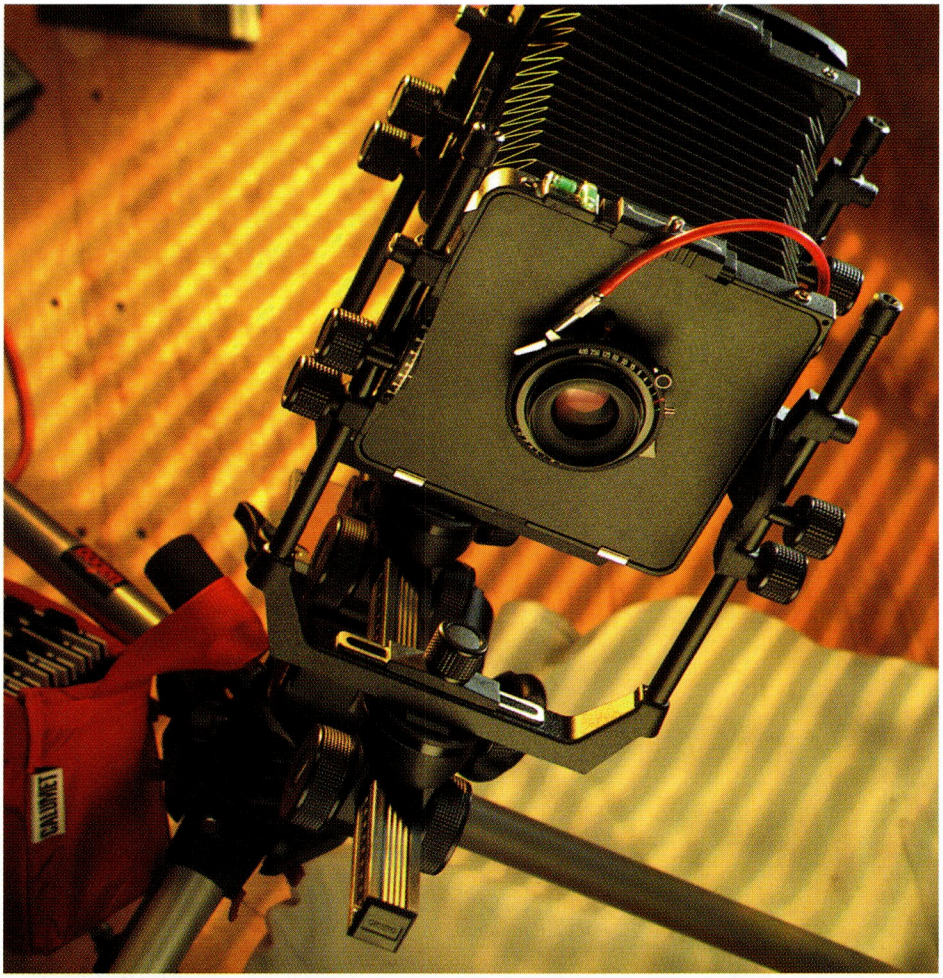
Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686

### 23SF Accessories

| | | |
|---|---|---|
| In-Line Viewer | CB0165 | $329.95 |
| 6x7/120 Roll Film Holder | HR9310 | $379.95 |
| 6x9/120 Roll Film Holder | HR9320 | $379.95 |
| Wide Angle Bellows | CB5110 | $229.95 |
| Polaroid Film Back | CB0175 | $299.95 |
| Flat Lensboard w/pilot hole | CB0120 | $44.95 |
| Flat Lensboard w/Copal 0 | CB01200 | $54.95 |
| Flat Lensboard w/Copal 1 | CB01201 | $54.95 |
| Fresnel Lens for 23SF | CB0184 | $99.95 |
| Replacement Ground Glass | CB0182 | $49.95 |



*23SF shown with Horseman 6x7/120 roll film holder.*



*Calumet's 45NX is at home in the studio as it is out on location.*

## A Solid Investment!

### Calumet 45NX

Calumet's versatile 45NX has been a favorite among both student and advanced amateur photographers for years. And it's easy to see why:

- The 45NX is loaded with features like full view camera movements, interchangeable bellows for unlimited focal length versatility, monorail systems to adapt to any shooting situation and a 360° revolving back for easy loading and quick format changes.
- To help you set up that perfect shot, the 45NX offers a calibrated monorail and controls, smooth, precise focusing, large locking knobs, quick release mounting block, dual-axis spirit levels on both standards and zero-position referencing.
- Its metal construction handles the most demanding conditions yet is lightweight and portable enough to remove from the studio and take with you on the road.
- Because of its compatibility with the Calumet and Cambo accessory system, the 45NX is always ready to grow with you.
- Easily folds up for travel.
- Includes Calumet's full 1-year warranty.

(Lens and lensboard not included.)
**CC4005 $989.95**

1 year Warranty



## Step Up to Large Format

### Calumet 45N

Calumet's 45N is a solidly-constructed camera with smooth gliding movements, accurate friction focusing, large locking knobs, quick-release mounting block, dual-axis spirit level, and zero-position referencing. Its interchangeable bellows and monorail systems adapt to all shooting situations, and its back is repositionable for horizontal or vertical formats. Since all Calumet cameras are backed by a modular accessory system, this camera is a great tool to get started and grow in large format photography! Includes a 1-Year warranty. Calumet 45N Camera only. (Lens and lensboard not included.) **CC4000 $649.95**

## Money-Saving Packages

**Calumet 45N Starter Kit – SAVE $175.00!**
This economical camera package includes:

- 45N Calumet 4x5 View Camera, with interchangeable bellows, ruled ground glass and quick-release mounting block
- 210mm f/6.8 Caltar II-E Lens
- Lensboard, Drilling and Mounting

45N Starter Package **CC4003K $999.95**

**Calumet 45N/NX Wide Angle Package**
Includes wide angle bellows, 11½" wide angle monorail, 4x5 fresnel lens. (Lens and lensboard not included.) **CC4010 $349.95**

### Dedicated 45N & 45NX Accessories

| | | |
|---|---|---|
| 11½" Wide Angle Monorail | **CB0119** | **$79.95** |
| 21½" Monorail | **CB0311** | **$99.95** |
| 30" Extra Long Monorail | **CB0411** | **$149.95** |

*More accessories on pages 22-25!*



## At a Glance

| | Minimum Monorail Length | Maximum Bellows Extension | Bellows Extension | Rise Fall* | Lateral Shift* | Swings | Tilts | Type of Focusing | Type of Back | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| **45NX** | 21¼" | 1⅞"* | 19" | 120mm | 50mm | +30°<br>-30° | +30°<br>-30° | Friction | 360° Revolving Graflock | 9.3 lbs. |
| **45N** | 16" | 1⅞"* | 14½" | 120mm | 50mm | +30°<br>-30° | +30°<br>-30° | Friction | Repositionable Graflock | 8 lbs. |

** Maximum displacement. Measurements taken with standard bellows with tripod mounting block to allow standards to be placed closer together.*

# A New 4x5 For Just $399.95!

## The Cadet 4x5

If you're in the market for a compact, easy-to-use and inexpensive large format camera, the Cadet 4x5 is just what you're looking for. This solid, yet light-weight monorail camera offers plenty of perspective control movements and is available at a value unheard of in today's view camera marketplace.

Perfect for anyone just starting out in large format, the Cadet is also ideal for those looking for a portable back-up 4x5 for travel or location assignments. It features a rigid L-frame design which ensures vibration-free performance as well as quick, simple operation. To help facilitate your set-ups, the swing and tilt movements feature click-stop detents so that you can actually "feel" when your camera is in zero-position. Horizontal-to-vertical format changes are made easy with a reversible ground glass back.

The Cadet Standard 4x5 has a built-in fixed pleated bellows that gives you the flexibility to use a wide range of different focal length lenses, from 75mm wide angle to a moderate telephoto 305mm. If your interests lean more toward super-wide vistas, a Cadet Wide Angle 4x5 is available with a built-in bag bellows that allows you to shoot with lenses down to 47mm.

Both models accept all 4x5 sheet film holders, Readyload holders, Polaroid 4x5 film backs, and Calumet slide-in 120/220 roll film holders available in 6x7 and 6x9 formats. One-year warranty. Lens and lensboard not included.







Exclusive Calumet

Cadet Standard 4x5 Camera
**CC3001 $399.95**
Cadet Wide Angle 4x5 Camera
**CC3101 $479.95**

### Cadet Lensboards & Accessories

| | | |
|---|---|---|
| Lensboard Copal 0 | CC3400 | $19.95 |
| Lensboard Copal 1 | CC3401 | $19.95 |
| Lensboard Copal 3 | CC3403 | $19.95 |
| Graflok Adapter Kit | CC3450 | $28.95 |
| Carrying Case | CC3500 | $99.95 |

### Cadet Packages

**Cadet Package w/150mm Lens**
Includes Cadet Standard 4x5, Caltar II-E 150mm f/6.3 lens, lensboard, two Lisco 4x5 film holders and 36x53" non-slip focusing cloth.
**CC3000K1 $799.95**

**Cadet Package w/210mm Lens**
Same package as above but with a Caltar II-E 210mm f/6.8 lens.
**CC3000K2 $919.95**

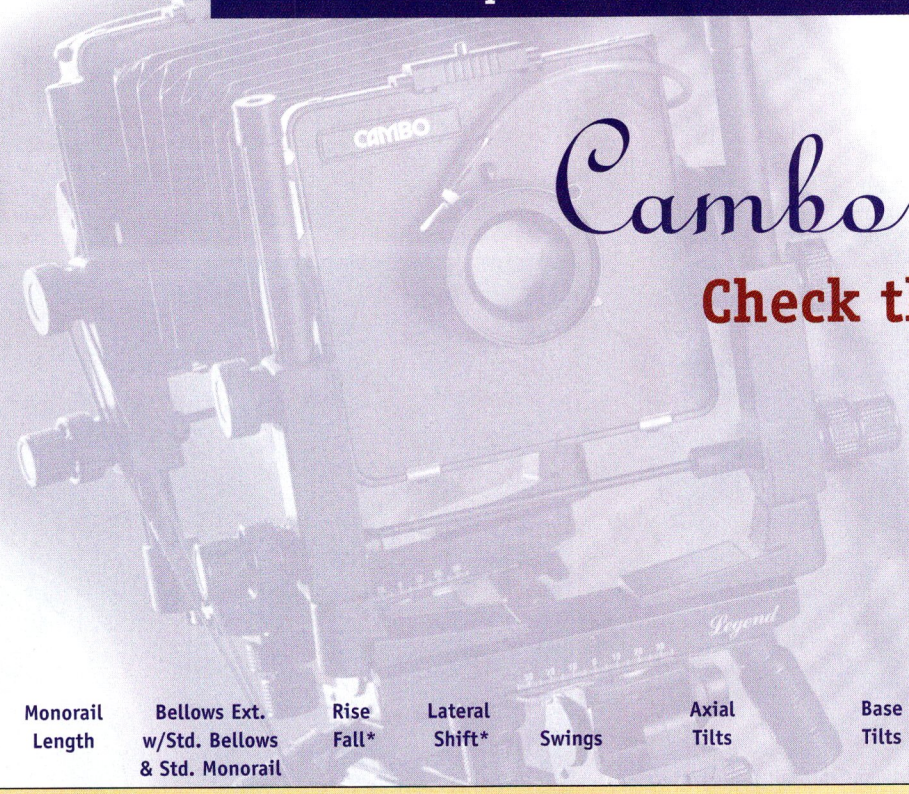
**Cadet Wide Angle Package w/90mm Lens**
Includes Cadet Wide, Caltar 90mm f/6.8 lens, lensboard, two film holders, Fresnel lens and focusing cloth. **CC3100K1 $1495.00**

| Specifications: | Cadet Standard | Cadet Wide Angle |
|---|---|---|
| Front Rise/Fall: | 60mm (2.36") | 60mm (2.36") |
| Front Lateral Shift: | 60mm (2.36") | 60mm (2.36") |
| Front/Rear Swing: | 60° w/zero detent | 60° w/zero detent |
| Front/Rear Tilt: | 60° w/zero detent | 60° w/zero detent |
| Monorail Length: | 450mm (17.7") | 300mm (11.8") |
| Bellows Type: | Pleated | Bag |
| Maximum Bellows Extension: | 365mm (14.4") | 240mm (9.5") |
| Minimum Bellows Extension: | 60mm (2.36") | 35mm (1.38") |
| Useable Lens Focal Length Range: | 90 – 305mm | 47 – 150mm |
| Lensboard Dimensions: | 4.81 x 4.81" | 4.81 x 4.81" |
| Weight: | 5.7 lbs. (2.6kg) | 5.3 lbs. (2.4kg) |

## Cadet Buy-back Offer

Just to let you know how confident we are that the Cadet will get you seriously involved with large format, Calumet will buy back your camera for the original purchase price of the Cadet camera body towards the purchase of a Cambo 45SF, Cambo 23SF or Zone VI 4x5 camera within 5 years of the day you buy your Cadet!

## Cambo Specification Chart

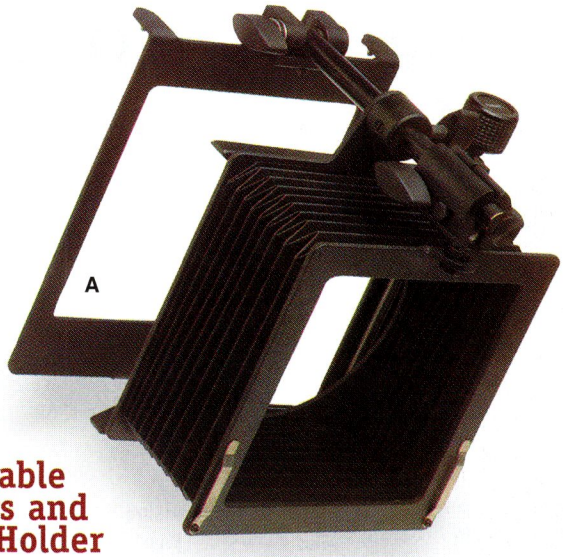


# Cambo Family

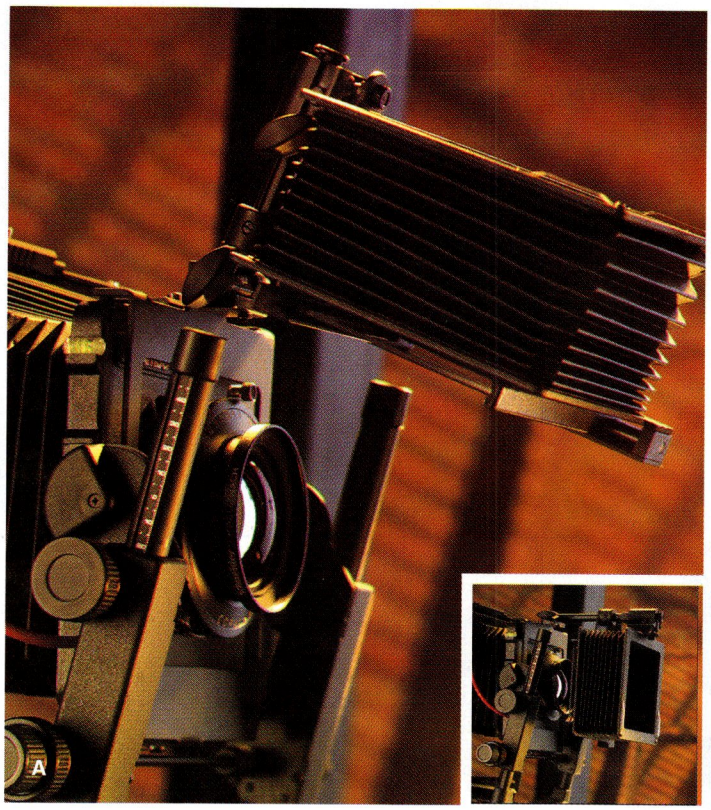
## Check the Spec!

| | Monorail Length | Bellows Ext. w/Std. Bellows & Std. Monorail | Rise Fall* | Lateral Shift* | Swings | Axial Tilts | Base Tilts | Variable Fine Focus | Type of Back | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
|  **4x5 Ultima** | 10" + 6" Two-Piece | 2" to 15" | Geared ±20mm | Geared ±25mm | Geared +30°/-30° | Geared F: +20°/-20° B: +20/-20° | Geared F: +20°/-20° B: +20/-20° | Geared 64mm | Repositionable | 13.2 lbs. |
|  **4x5 Legend** | 10" + 6" Two-Piece | 2⅜" to 17⅝" | Geared 85mm | Geared 70mm | Manual +30°/-30° | Manual F: +35°/-35° B: +30/-30° | N/A | Geared 64mm | Revolving | 13.5 lbs. |
|  **4x5 Legend pc** | 10" + 6" Two-Piece | 2⅜" to 17⅝" | Geared 85mm | Geared 70mm | Manual +30°/-30° | Manual F: +35°/-35° B: +30/-30° | Manual +40°/-40° | Geared 64mm | Revolving | 16.75 lbs. |
|  **8x10 Legend** | 30" | 3½" to 29⅛" | Geared 85mm | Geared 70mm | Manual +30°/-30° | Manual F: +35°/-35° B: +30°/-30° | N/A | Geared 64mm | Reversible | 20 lbs. |
|  **8x10 Legend pc** | 30" | 3½" to 29⅛" | Geared 85mm | Geared 70mm | Geared +30°/-30° | Manual F: +35°/-35° B: +30°/-30° | Manual +40°/-40° | Geared 64mm | Reversible | 24 lbs. |
|  **23SF** | 14" | 1" to 8" | Manual 83mm | Manual 70mm | Manual +30°/-30° | N/A | Manual +60°/-60° | Geared 40mm | Reversible | 8.3 lbs. |
|  **45SF** | 14" | 1"to 7⅞" | Manual 83mm | Manual 70mm | Manual +30°/-30° | N/A | Manual +60°/-60° | Geared 40mm | Reversible | 9 lbs. |

* *Maximum Displacement*




*The Deluxe Compendium Lens Hood can be flipped up for easy lens adjustments.*

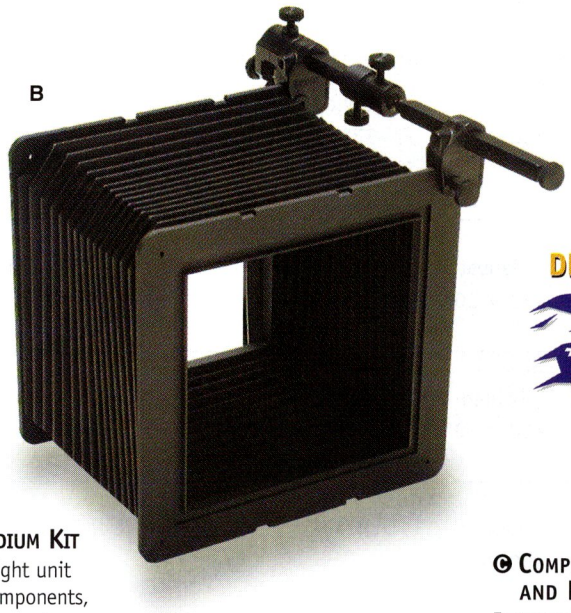



## Adjustable Bellows and Filter Holder

### Ⓐ Deluxe Compendium Lens Hood

This deluxe hood works effectively with most lenses with filter sizes up to 125mm. Its adjustable bellows offers flexible directional control and can be locked securely into any position. Suspended from a 5½" rod, the bellows slides in and out from either rod end to accommodate different size and focal length lenses. (2" extension is included.) The hood mounts securely to your camera's lensboard frame and can be flipped up for easy lens setting and adjustments. Other unique features include a continuously adjustable filter slot for 75, 100 or 125mm framed filters, a metal front plate, which holds magnetic vignetters, and spring clips for special effect filters. Best of all, this entire system is all one piece – no assembling required!

**CB0506 $459.95**

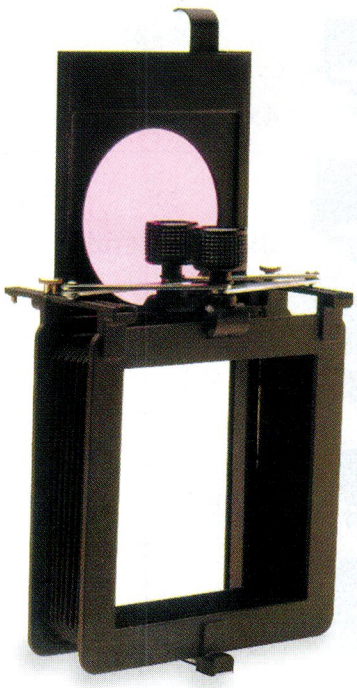






### Ⓑ Lightweight Compendium Kit

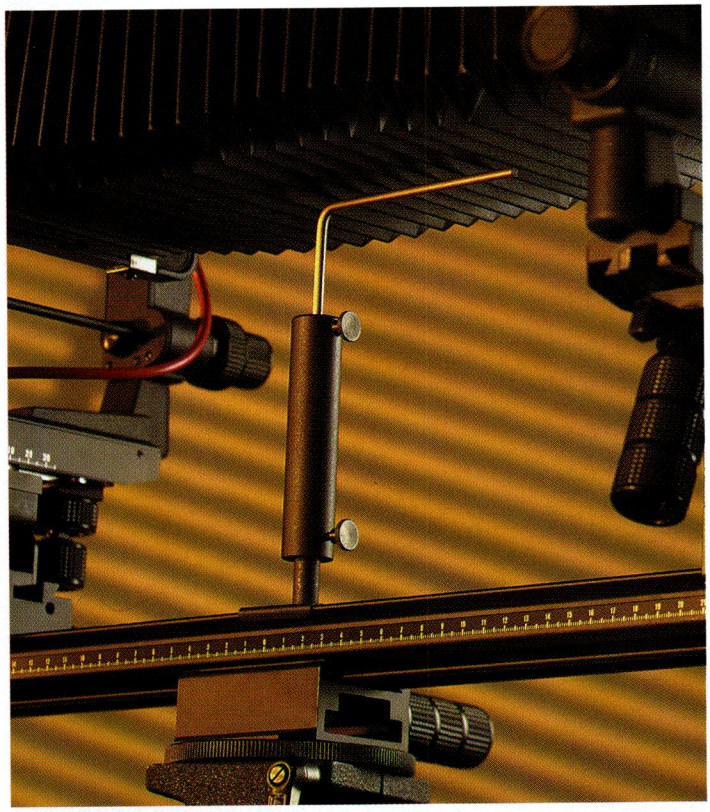
This compact and lightweight unit breaks down into small components, making it ideal for location and architectural shooters. The kit comes with a bellows unit, two connecting rods and a connecting support. It offers a full range of movements to accommodate full view camera movements. Perfect for use with the Cambo 45SF. **CB0512 $299.95**



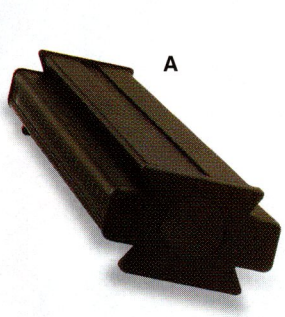

### Ⓒ Compendium Lens Hood and Filter Holder

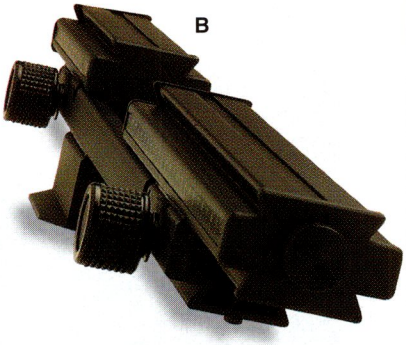
Features flexible bellows for maximum shading, rear filter holder and metal front plate for magnetic vignetters. Includes metal filter frame for 4x4" filters. (Use 3x3" filters by placing them in Calumet's 4x4" filter frames adapted for 3x3" filters.)

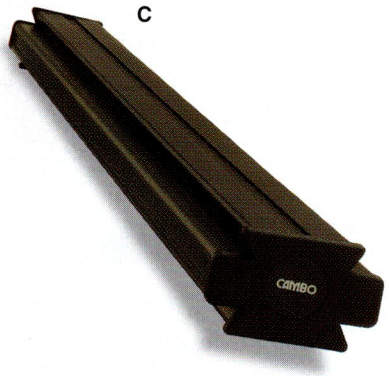
**CB0502 $339.95**

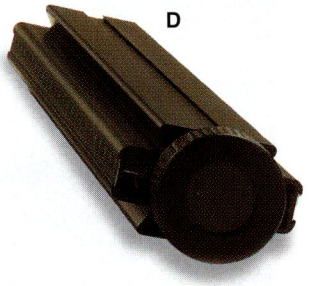


*The Bellows Support easily clips to the monorail to end image fall-off.*




## Rails

### Monorails

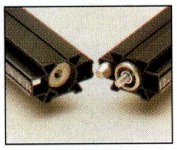
Ⓐ 10" Wide Angle Monorail
**CB4300 $139.95**

16½" Standard Monorail
**CB4320 $159.95**

Ⓒ 25½" Extra-Long Monorail
**CB4305 $199.95**

### Ⓑ Extendible Monorail

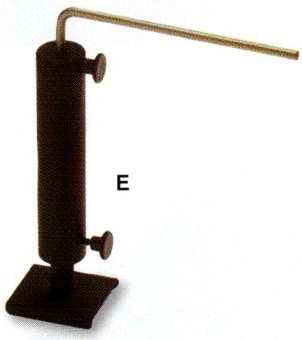
This adjustable-length rail can be extended from 16" to 27" (Requires Extra-Long Bellows for optimum use.)
**CB4335 $499.95**



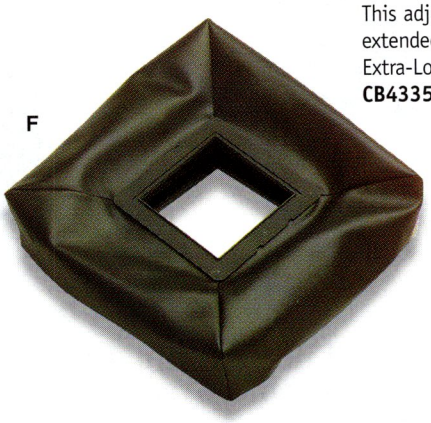
### Extension Rails

These add-on units can be conveniently inserted into the basic Cambo rail for continuous close-up focusing. Offers positive screw lock knob for secure fit. For an example of the rail extension in use, see the set up on page 107.

Ⓓ 10" **CB4310 $159.95**
16½" **CB4330 $209.95**
25½" **CB4306 $249.95**




*For complete Cambo accessory literature, order #ZZCB010.*




## Bellows & Supports

### Bellows

*For all Cambo and Calumet View Cameras (except 23SF)*
22" Standard 4x5 Bellows
**CB0207 $179.95**
30" Extra-Long 4x5 Bellows
Requires extra-long monorail or monorail extensions for full extension. **CB0205 $299.95**

### Ⓕ Wide Angle Bellows

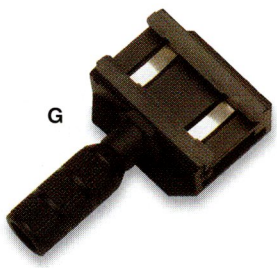
These flexible bag bellows are used with lenses 90mm (for 4x5) or 210mm (for 8x10) and shorter to allow focusing and full camera movements. Constructed of durable, synthetic materials.
For 4x5 **CB0209 $269.95**
For 8x10 **CB0405 $519.95**

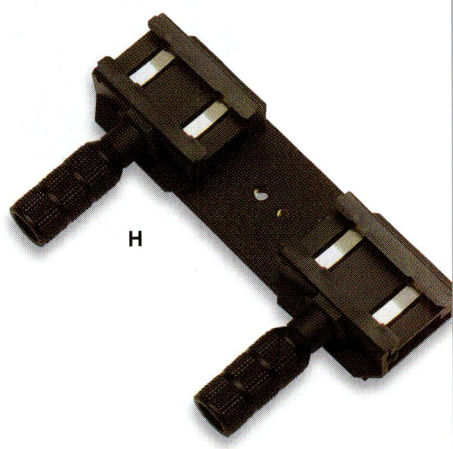
### Bellows Coupling Standards

Combines two bellows for extreme close-ups (for example, see pg. 107).
For 4x5 **CB4500 $399.95**
For 8x10 **CB4510 $419.95**

### Ⓔ Bellows Support

End sagging and image cut-off! This handy device supports extended bellows so light can travel unobstructed from lens to film plane.
For 4x5 **CB4340 $139.95**
For 8x10 **CB0406 $169.95**



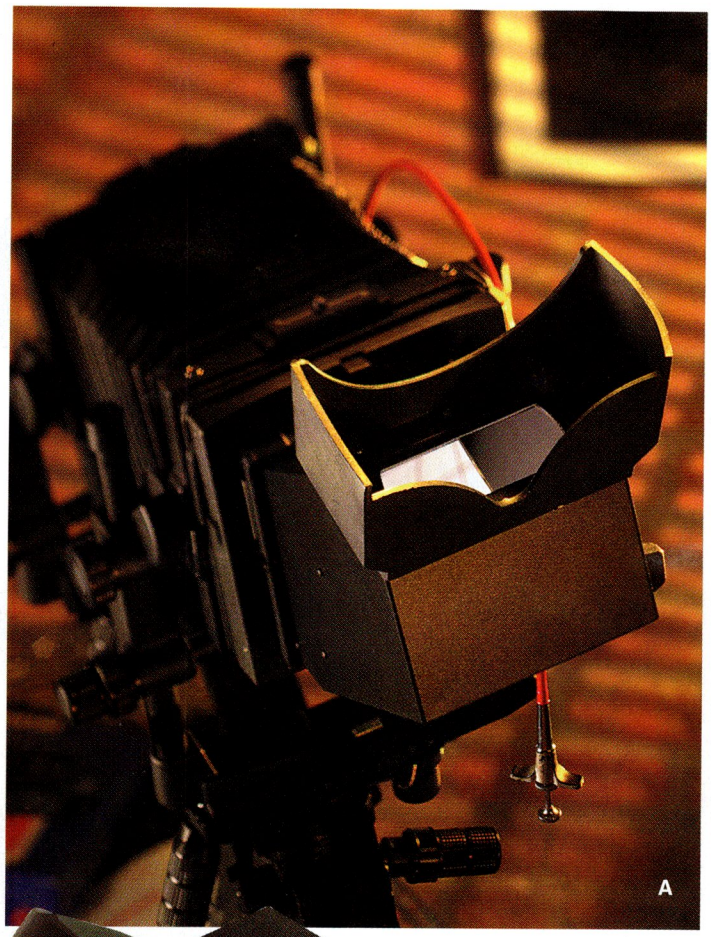

## Mounting Blocks

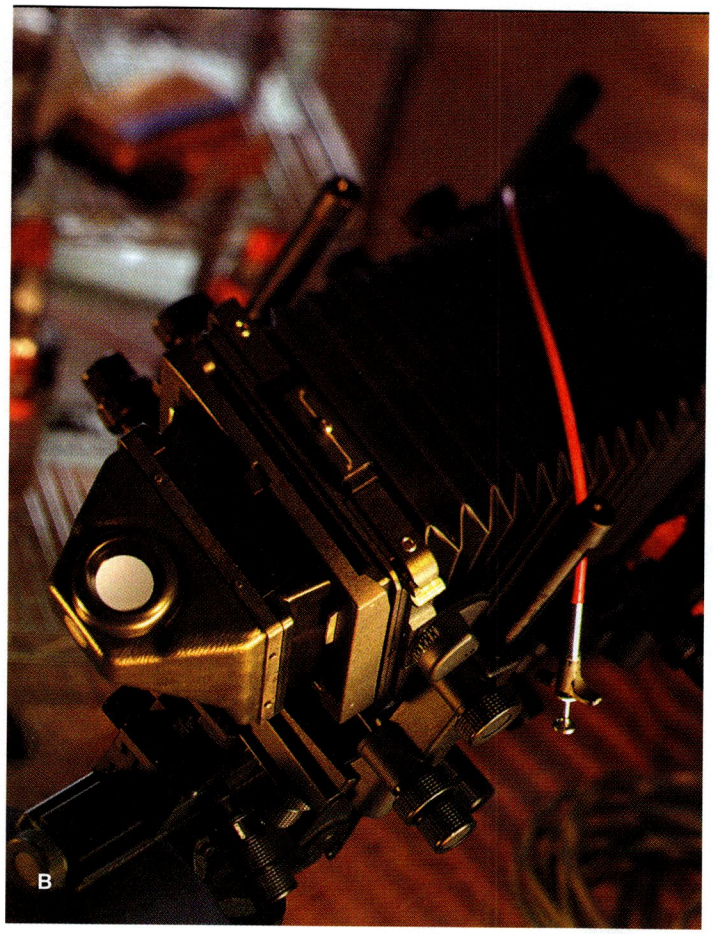
### Tripod Mounting Blocks

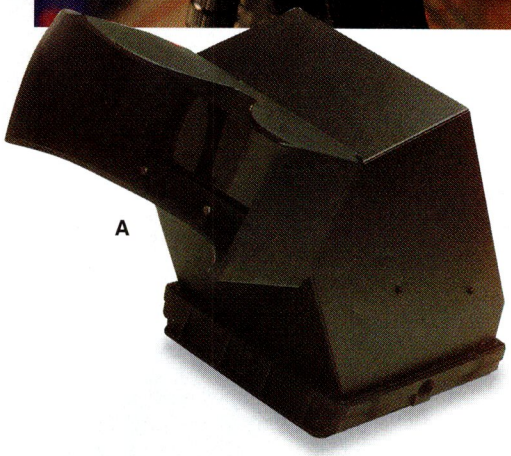
These mounting blocks provide added support when using a second tripod.
Ⓖ Single **CB4400 $109.95**
Double **CB4420 $229.95**

### Ⓗ Base Plate with Mounting Blocks

Joins two mounting blocks for single tripod mounting with extra camera support. Ideal for extreme macro rail extension stability. **CB4410 $379.95**

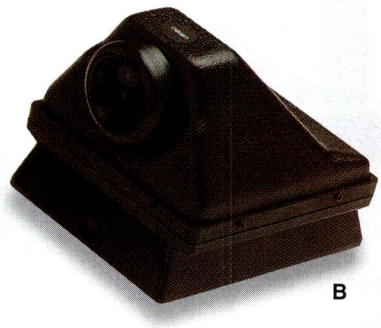









## For Precise Viewing

### Ⓐ Binocular Viewing Hood

View your entire 4x5 image area unencumbered and right-side-up. This convenient and lightweight viewing hood is great for composing and focusing your view camera anywhere, but it's a particular pleasure if you're working in the field, wearing glasses or with an art director who only sees things right side up. Its bright 1.5X magnification diopters are housed within a rubber hood for comfortable, precise viewing with both eyes without extraneous light.

A sharp, front-surface adjustable mirror covers the entire image area, so you are always viewing the brightest possible image, even when you're checking focus in critical, isolated areas, such as corners of the frame. For optimum ground glass image brightness, a Fresnel lens and Super Sharp Screen is recommended. **CB0225 $549.95**

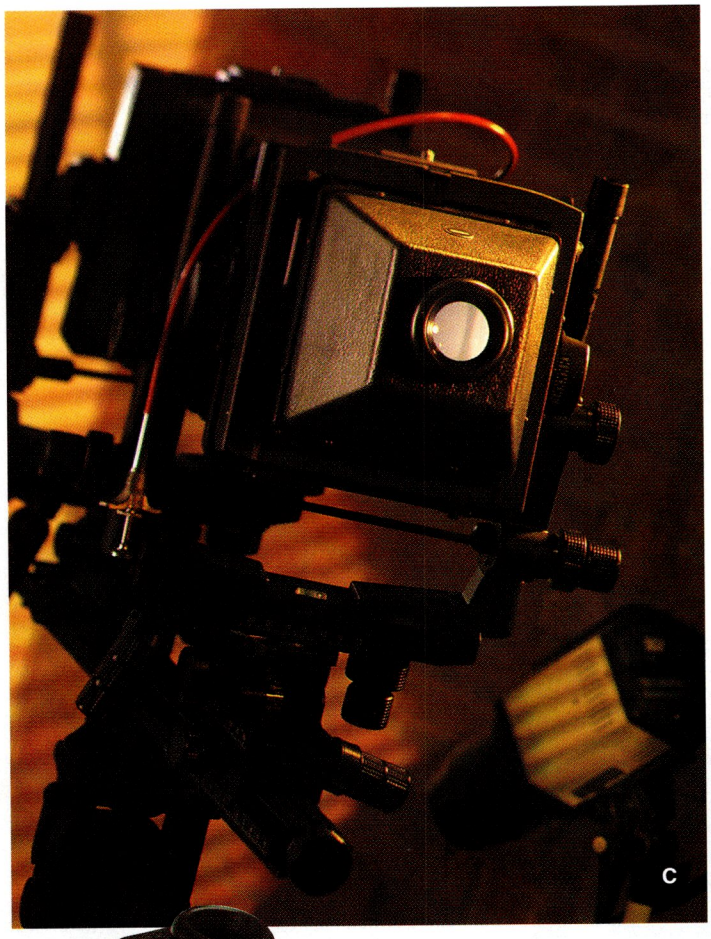
**Optimum Brightness Viewing Package**
Includes hood, Fresnel lens and Super Sharp Screen.
**CB0225K $729.95**

## Like Having Two Viewers at One Great Price

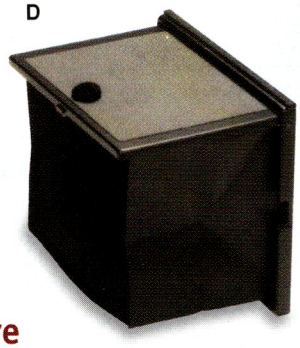
### Ⓑ Reflex Viewer

This lightweight, monocular reflex hood's unique design features a right angle viewer which rotates 360° to accommodate different camera heights. Look down through it during low camera set-ups, then just twist it to adjust for high set-ups. Because it's so compact and lightweight, you can leave it on the camera during film insertion and exposure so it's always ready for your next shot. It's also perfect for copystand applications.

The Reflex Viewer mounts quickly to your ground glass back, locking securely into place with a single sliding lever. Its 2.5X magnifier enhances both composing and focusing, while an optional Fresnel lens provides the brightest possible viewing over the entire image area. The soft, rubber eyepiece also eliminates extraneous light, adds comfort during use and protects glasses from scratching. **CB0220 $329.95**


C


C

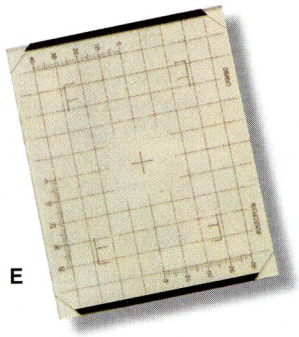

D

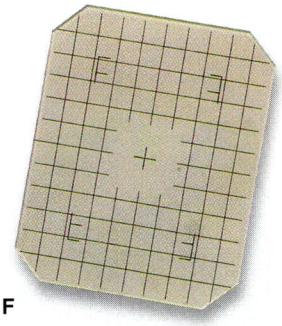
## Simple Viewing Pleasure

**C In-line Hood**
Compact and lightweight non-reflex hood simply clips on to the ground glass back, allowing you to view the entire image without a focusing cloth. Perfect for location work in place of a darkcloth. The image appears reversed and upside down as it normally does on the ground glass. Features a 2.5X magnifier eyepiece for improved viewing and critical focusing. Extremely lightweight and easy to mount. **CB0221 $229.95**

**D Folding Focusing Hood**
Provides enough shading for good ground glass viewing under most conditions, especially when used with the Fresnel Lens. When folded, it offers protection to the ground glass – perfect for location shooting.
**CB0226 $299.95**

*For complete Cambo Accessory Literature, please order #ZZCB010.*


E


F

## Improve Your Vision with these Viewing Screens

**Fresnel Lens**
Used in conjunction with ground glass for brighter, full image viewing with focusing cloths or viewing hoods.
For 4x5 **CB0218 $89.95**
For 8x10 **CB0419 $209.95**

**E Super Sharp Screen**
The sharpest focusing screen we've ever seen! When combined with a Fresnel lens, this screen produces an extremely bright and incredibly sharp image.
For 4x5 **CB0250 $169.95**
For 8x10 **CB0420 $349.95**

**Sharp Screens & Fresnel Lens Kits**
For 4x5 **CB0250K $249.95**
For 8x10 **CB0420K $529.95**

**F Ruled Ground Glass**
With 1cm (⅜") grid.
For 4x5 **CB0214 $44.95**
For 8x10 **CB0418 $109.95**

**Master pc Ruled Ground Glass**
With V.A.T. markings.
For 4x5 **CB0215 $74.95**

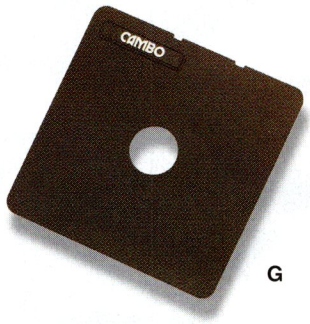
### 8x10 Accessories

**8x10 to 4x5 Reducing Frame**
Requires either 4x5 Back or 4x5 Revolving Back Assembly.
**CB0413 $449.95**

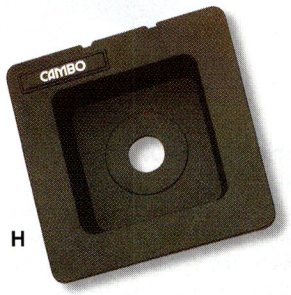
**4x5 Revolving Back Assembly**
This 360° revolving back accepts a wide range of Graflok accessories. Features an easy loading design with a unique release lever that ensures safe film holder insertion without risk of camera movement.
**CB0245 $499.95**

**4x5 Back Assembly**
Basic design **CB0201 $299.95**

**Focusing Cloth Support Frames**
These rigid wire supports keep the focusing cloth "out of your hair" and frees both hands for focusing and camera movements.
For 4x5 **CB0219 $41.95**
For 8x10 **CB0409 $44.95**



G



H

### Lensboards and Adapters

*For all Cambo and Calumet 4x5 and 8x10 Cameras except the 23SF*

**G Flat Lensboard**
With pilot hole **CB0508 $49.95**

**H Recessed Lensboard**
For 90mm or shorter focal length lenses. Places the lens closer to the film plane, while allowing the front standard to remain further away and capable of more image control movements. With pilot hole.
**CB1508 $69.95**

### Tips.

When you order the above boards, we'll drill the Copal shutter sizes for an additional $10. Here's how to order:

Add "0" at the end of our catalog number for Copal "0" shutter (ie: CB05080)

Add "1" for Copal "1" shutter (ie: CB05081)

Add "3" for Copal "3" shutter (ie: CB05083)

# Horseman View Cameras




B

### Ⓑ Horseman LE

This economical entry into the respected Horseman system features geared rise and fall, and shift mechanisms, plus lens and film axis tilts and rack and pinion focusing. The LE also offers quick and easy repositioning of both standards and tripod mounting block. 1-year warranty.
**HR4518 $1395.00**

### Horseman LS

The LS model offers yaw-free base tilts plus an expandable monorail which extends to 700mm, making it perfect for close-up table-tops and macro applications. Also features gear-driven rise/fall and lateral shift movements. Includes Fresnel lens and gear-driven tripod mounting block. 1-year warranty. **HR4514 $3095.00**



A

### Ⓐ Horseman LX

The LX features a built-in depth-of-field scale and variable-axis tilts on both the film and lens planes, permitting an infinite variety of tilt effects. The LX also offers gear-driven rise/fall and lateral shifts, yaw-free base tilts and an expandable monorail. 1-year warranty.
**HR4509 $3595.00**

### Horseman LX-C

On Horseman's top-of-the-line 4x5 view camera, depth-of-field measurements are digitized and computed for you on a built-in focus computer. The LX-C also includes variable-axis tilts, yaw-free base tilts, an expandable monorail and gear-driven rise/fall and lateral shifts. 1-year warranty. **HR4510 $4495.00**

### Horseman LX-C 810

Horseman's high-end 8x10 view camera brings all of the advantages of L-frame design to the dynamic 8x10 format with a few new twists: yaw-free base tilts, front frame variable-axis tilts, and film axis tilts on the rear frame. 1-year warranty. **HR8207 $7015.50**

*For a complete Horseman catalog order part #ZZHR000*

### Horseman Accessories

**Folding Binocular Reflex Viewer**
This lightweight and compact unit, measuring only 6½ x 6½ x 3½" when folded, gives a 2X enlarged right-side-up image. Adjustable mirror offers comprehensive and accurate viewing and focusing. Fits all Horseman 450 models that accept 14x14cm bellows. **HR4683 $805.00**

**Binocular Direct View Hood**
Allows you to view image directly on ground glass without using a focusing cloth. Does not invert image right-side-up. **HR4682 $599.95**

**Bellows Lens Shade with Filter Holder**
Features convenient hinge design for easy lens access and a 4x5 format mask to help cut out extraneous light. Accepts 3x3" and 4x4" square filters. **HR4640 $580.50**

**Bellows**

| | | |
|---|---|---|
| 4x5 Wide Angle Bellows | HR4606 | $279.95 |
| 4x5 Extra-long Bellows | HR4605 | $369.95 |
| 8x10 Wide Angle Bellows | HR8211 | $699.95 |

**Monorails**

| | | |
|---|---|---|
| 9.75" Wide Angle Monorail | HR4684 | $159.95 |
| 22" Close-up Monorail | HR4618 | $249.95 |
| Extendible Monorail (20–27") | HR4619 | $599.95 |

**Backs & Accessories (4x5 Intern-Graflok)**

| | | |
|---|---|---|
| 120 6x7 Roll Film Holder | HR4637 | $449.95 |
| 120 6x9 Roll Film Holder | HR4634 | $449.95 |
| 120 6x12 Roll Film Holder | HR4630 | $849.95 |
| 220 6x7 Roll Film Holder | HR4639 | $449.95 |
| 220 6x9 Roll Film Holder | HR4638 | $449.95 |
| 4x5 TTL Exposure Meter | HR4680 | $929.95 |

**Camera Backs For Rotary Back**

| | | |
|---|---|---|
| 120 6x7 Roll Film Holder | HR9320 | $382.50 |
| 220 6x7 Roll Film Holder | HR9340 | $382.50 |
| 120 6x9 Roll Film Holder | HR9310 | $382.50 |
| 220 6x9 Roll Film Holder | HR9330 | $382.50 |

**Miscellaneous Accessories**

| | | |
|---|---|---|
| 4x5 Replacement Ground Glass | HR4612 | $49.95 |
| Driving Aid for Rise/Fall Knobs | HR4621 | $18.95 |
| Quick Shoe w/Mounting Plate | HR4800 | $279.95 |

**Horseman 450 Lensboards**

| | | |
|---|---|---|
| Drilled for Copal 0 | HR46950 | $64.95 |
| Drilled for Copal 1 | HR46951 | $64.95 |
| Drilled for Copal 3 | HR46953 | $64.95 |
| Blank Undrilled Lensboard | HR4695 | $54.95 |

| Model | Monorail Length | Bellows Length | Rise Fall* | Lateral Shift* | Swings | Axial Tilts | Base Tilts | Variable Axis Tilts | Depth of Field Scale | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| LE | 16" | 15.5" | 60mm | 60mm | 60° | 40° | N/A | N/A | N/A | 11 lbs. |
| LX | 27.5" | 18" | 100mm geared | 60mm geared | 60° | 40° | +40°/-40° | 40mm | Yes | 13.8 lbs. |
| LS | Expandable | 18" | 60mm geared | 60mm geared | 60° | 40° | +40°/-40° | N/A | Yes | 13.8 lbs. |
| LX-C (4x5) | 27.5" | 18" | 100mm geared | 60mm geared | 60° | 40° | +40°/-40° | 40mm | Yes (LCD) | 14.3 lbs. |
| LX-C 810 (8x10) | 27.5" | 25.6" | 100mm (90mm) geared | 60mm geared | Manual | Manual | Manual | N/A | Yes (LCD) | 20 lbs. |

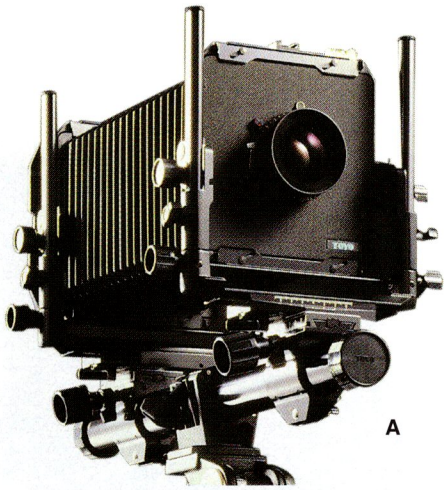
**Maximum displacement. (Parentheses denote rear standard specifications when different from the front.)*

# Practical Tools for the Demanding Professional

## Toyo G Series Cameras

These high-quality view cameras are part of a comprehensive modular system that grows with your professional needs. For ease of operation, all of the controls and functions are identical for each format camera model. Toyo cameras offer:

- 360° non-vignetting revolving back, with click-stops every 90° (4x5 cameras only)
- Interchangeable bellows
- Rack and pinion micro-focusing
- Easy-loading back with bail arm release
- Complete compatibility with the extensive Toyo accessory system
- 1-year warranty

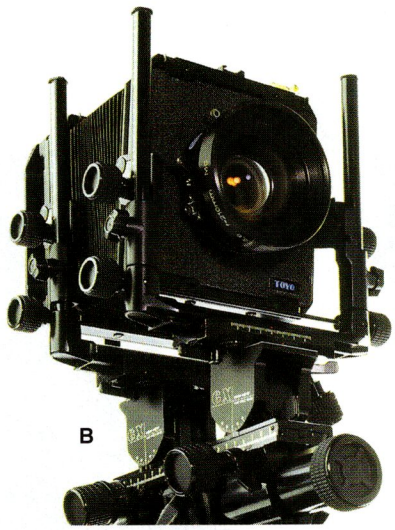



### Ⓐ Toyo 45GII Pro 4x5 View Camera

This heavy-duty 4x5 view camera features smooth rack and pinion geared movements for rise/fall, shift, and focus. Spirit levels are built-in on front and rear standards. Includes Super-Brite fresnel lens, quick release block for ¼-20 or ⅜" thread, #0 lensboard and 10" (250mm) rail extension. (Lens not included.) 1-year warranty.
**TY4602 $2615.00**

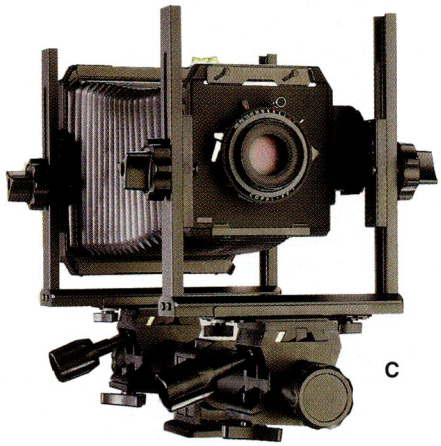
### Toyo 810GII 8x10 View Camera

The largest of all Toyo G Modular System Cameras, the 810G has the most movement. 5x7 and 4x5 reducing backs available. Features bi-axial, asymmetrical base tilts, center tilt and variable axis swing. (Lens not included.) 1-year warranty.
**TY8102 $4515.00**




### Ⓑ Toyo 45GX Pro 4x5 View Camera

This professional system monorail camera gives you a choice of more movements for finer control over the image. Choose between base tilts, for yaw-free alignment, or center axis tilts for critical composition. Also features depth of field calculator, precision rack and pinion rise/fall and lateral shifts. Comes with Super-Brite Fresnel lens, bail-arm back, lensboard and 10" rail extension. (Lens not included.) 1-year warranty.
**TY4800 $3115.00**




### Ⓒ Toyo-View 45CX

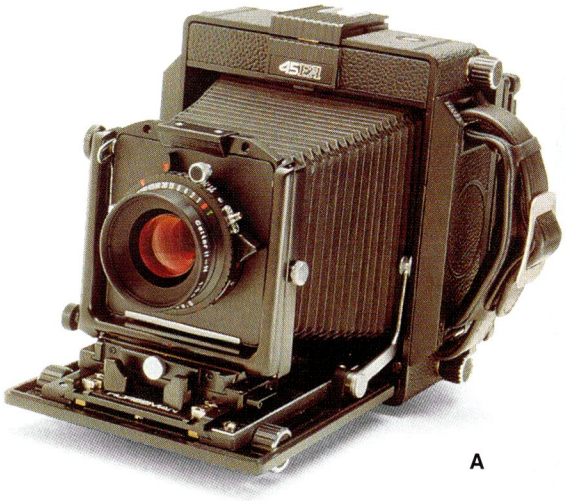
The new portable 45CX is a full-featured 4x5 system offering an incredible value. Its interchangeable tapered bellows allow the camera to be folded into a very compact package for location work. Includes drilled lensboard, reversible Graflok Back, grid ground glass, mounting block with ¼" and ⅜" threads and interchangeable Universal Monorail. **TY1145 $549.95**




### Toyo G System Accessories

| | | |
|---|---|---|
| Compendium Lens-Shade | TY4710 | $289.95 |
| Fine Ground Glass with acid etched grid (replacement) | TY4730 | $54.99 |
| Fresnel Lens 4x5 (replacement) | TY4740 | $129.95 |
| Aluminum Compartment Case for 45G | TY4750 | $349.95 |
| Aluminum Compartment Case for 45GX | TY4810 | $519.95 |
| **Bellows** | | |
| 4x5 Wide Angle Bellows | TY4625 | $399.95 |
| 4x5 Long Bellows (30") | TY4630 | $409.95 |
| 4x5 Standard Bellows Replacement (16.5") | TY4610 | $379.95 |
| 8x10 Long Bellows (50") | TY8220 | $1249.00 |
| 8x10 Standard Bellows Replacement (28") | TY8210 | $649.95 |
| **Binocular Reflex Viewing Hood** | | |
| For 4x5 models. With 1.5X magnifier and adjustable mirror. | TY4720 | $639.95 |
| **Monorails and Extensions** | | |
| 10" (250mm extension) Black | TY4680 | $219.95 |
| 20" (500mm extension) Black | TY4675 | $349.95 |
| 10" G System Base Monorail Black | TY4650 | $219.95 |
| **Quick-Clamp Tripod Mounting Blocks** | | |
| 54mm Block with ¼-20 and ⅜" sockets (Standard on 45G) | TY4660 | $129.95 |
| 70mm Block with ⅜" socket (Standard on 810G) | TY4695 | $259.95 |
| **Flat lensboards for 45G, 45GX, 810G** | | |
| Copal 0 | TY46550 | $69.95 |
| Copal 1 | TY46551 | $69.95 |
| Copal 3 | TY46553 | $69.95 |
| **Recessed lensboards for 45G, 45GX, 810G** | | |
| Copal 0 | TY46580 | $79.95 |
| Copal 1 | TY46581 | $79.95 |
| Copal 3 | TY46583 | $79.95 |

| Model | Monorail Length | Bellows Length | Rise Fall* | Lateral Shift* | Swings | Axial Tilts | Base Tilts | Variable Axis Tilts | Depth of Field Scale | Type of Back | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 45CX | 18" | 16.8" | 80mm Geared | 30mm | +30°/-30° | +45°/-45° | N/A | N/A | N/A | Reversible | 7.9 lbs. |
| 45GII Pro | 10" | 16.8" | 145mm Geared | 70mm Geared | +30°/-30° | +45°/-35° | N/A | 60mm | Optional | Revolving | 12.1 lbs. |
| 45GX | 10" | 16.8" | 145mm Geared | 70mm Geared | +30°/-30° | +45°/-35° | +45°/-45° | 60mm | Yes | Revolving | 12.8 lbs. |
| 810GII | 10" | 16.8" | F: 145mm R: 170mm | F-35mm | ±60° | F:+45°/-35° R:+50°/-50° | N/A | N/A | N/A | Graflok | 19.6 lbs. |



A



B

## Rugged and Compact

### Ⓐ Horseman 45FA

The Horseman flatbed design folds up into a compact package, easily transportable in most camera cases and backpacks. A 10¼" bellows draw makes it practical to use lenses up to 210mm, while a minimum extension of 2⅓" allows you to use wide angle lenses down to 65mm. This camera is well suited for wide angle photography as it features an increased front standard rise with wide lenses focused at infinity. It also features a removable international 4x5 back for easy vertical to horizontal changeover.

The 45FA will accept the complete line of Horseman 4x5 Roll Film Holders for 6x7cm, 6x9cm and the panoramic 6x12cm formats, plus all Polaroid 4x5 film holders.

Includes body, bellows, ground glass, Fresnel lens and ⅜" mount. Lens and lensboard not included. **HR4504 $2695.00**

### Ⓑ Horseman 45HD 4x5 Field Camera

A trimmed down version of the 45FA with a shock-resistant rubberized finish. Does not feature an expandable back and weighs less than 4 lbs. Lens and lensboard not included.
**HR4506 $1995.00**

### Horseman 45 Accessories

| | | |
|---|---|---|
| Flat Lensboard (undrilled) | HR9190 | $75.95 |
| Flat Lensboard #0 | HR9191 | $84.95 |
| Flat Lensboard #1 | HR9195 | $94.95 |
| 120 6x7 Roll Film Holder | HR4637 | $449.95 |
| 120 6x9 Roll Film Holder | HR4634 | $449.95 |
| 220 6x7 Roll Film Holder | HR4639 | $449.95 |
| 220 6x9 Roll Film Holder | HR4638 | $449.95 |
| Replacement Ground Glass | HR4612 | $49.95 |

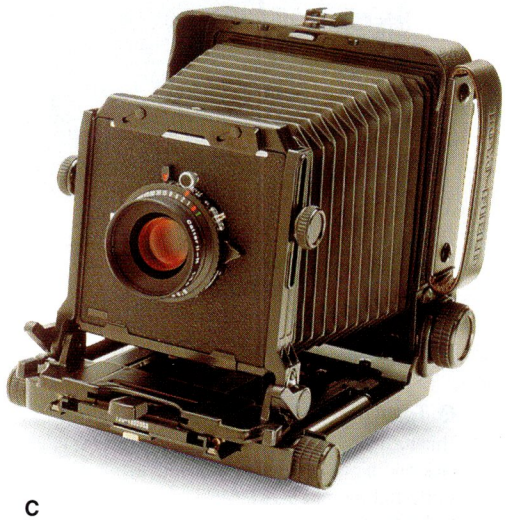
## Folding Metal Field Camera

### Ⓒ Toyo-Field 45AII/AX PRO

This versatile 4x5 combines rugged metal construction, folding flat-bed design and precise perspective control movements to create a portable and practical field camera. Ideal for architectural, industrial, portrait or landscape work; the 45AII is lightweight, just 6 lbs., and folds up to a very compact and portable size.

Also unique to the 45AII is a convenient revolving back, for quick and safe format changes, with fresnel lens and focusing hood. The 45AII will accept a wide range of accessories, including 6x7 and 6x9cm roll film backs, Polaroid film backs, bellows lens hood, recessed lensboard and various focusing hoods.

Includes camera body, revolving back, ground glass, fresnel lens, folding focusing hood, blank 110mm lensboard, ¼" and ⅜" interchangeable tripod sockets. **TY4502 $2139.00**



C

### 45AX Camera

This economical metal field camera offers the same features as the 45AII, but without the revolving back and folding focusing hood. **TY4503 $1499.00**

### Toyo-Field 45AII PRO Accessories

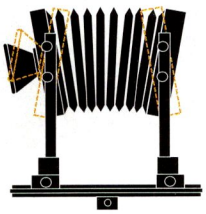
| | | |
|---|---|---|
| Flat Lensboard (undrilled) | TY4505 | $49.95 |
| Flat Lensboard #0 | TY45050 | $69.95 |
| Flat Lensboard #1 | TY45051 | $69.95 |
| Flat Lensboard #3 | TY45053 | $69.95 |
| Recessed Lensboard #0 | TY45080 | $89.95 |
| Recessed Lensboard #1 | TY45081 | $89.95 |

Calumet is a Full-line Dealer

| Model | Maximum Bellows Extension | Minimum Bellows Extension | Inter-Changeable Bellows | Rise/ Fall** (front) | Swings (front/ rear) | Tilts (front) | Tilts (back) | Front Lateral Shift | Folded Size | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| 45FA | 10.25" | 2.33" | No | 28mm*** | 30°† | 25° | † | 60mm | 7.25 x 6.6 x 3.75" | 3.75 lbs. |
| 45HD | 10.25" | 2.33" | No | 28mm*** | 30°† | 25° | † | 60mm | 7.25 x 6.6 x 3.75" | 3.75 lbs. |
| 45AII Pro | 12.75" | 1.8"* | No | 44mm | 16°/16° | 105° | 105° | 14mm | 7.5 x 8.3 x 4.5" | 6 lbs. |

** With recessed lensboard. ** Maximum displacement. *** Rise only. † 4-way swing/tilt possible on back standard.*

# Basic View Camera Movements

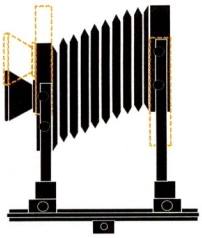


**Tilt:** Rotating (tilting) the front or back of the camera forward or backward.

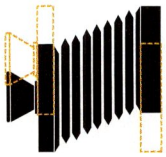


*top view*

**Swing:** Rotating (swinging) the front or back of the camera left or right.



**Rise and Fall:** Vertically raising or lowering the front or back of camera.



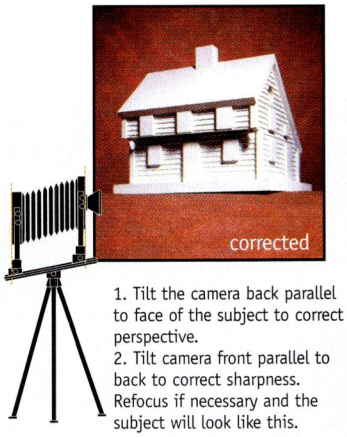
*top view*

**Lateral Shift:** Moving the front or back of the camera laterally to the left or right

## Vertical Perspective Control (Low Camera Angle)

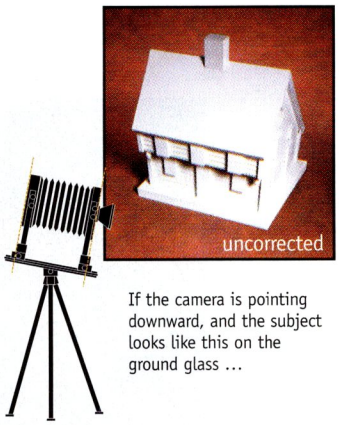



If the camera is pointing upward, and the subject looks like this on the ground glass (converging vertical lines) (Remember the image will be upside down.)...

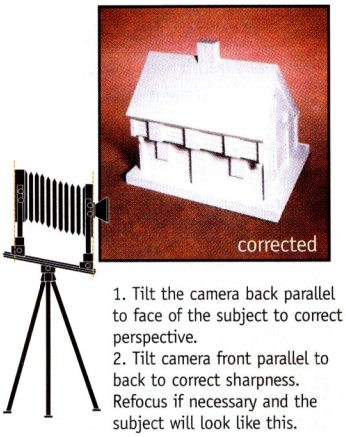



1. Tilt the camera back parallel to face of the subject to correct perspective.
2. Tilt camera front parallel to back to correct sharpness. Refocus if necessary and the subject will look like this.

## Vertical Perspective Control (High Camera Angle)




If the camera is pointing downward, and the subject looks like this on the ground glass ...



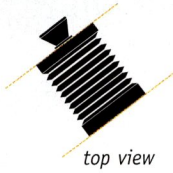

1. Tilt the camera back parallel to face of the subject to correct perspective.
2. Tilt camera front parallel to back to correct sharpness. Refocus if necessary and the subject will look like this.

## Horizontal Perspective Control









*top view*

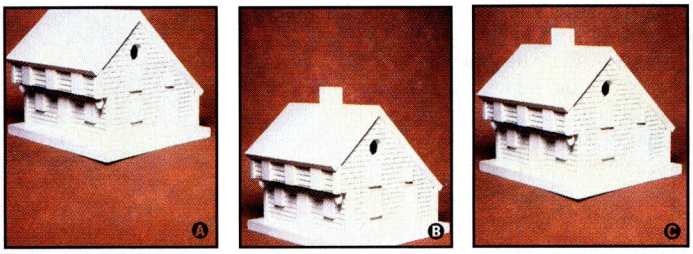
If the camera is pointing at a slight angle to the subject (Top View), and the subject looks like this on the ground glass (converging horizontal lines)...

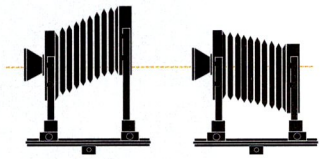


*top view*

1. Swing camera back parallel to the face of the subject to correct perspective.
2. Swing camera front parallel to back to correct sharpness. Refocus if necessary, and the subject will look like this.

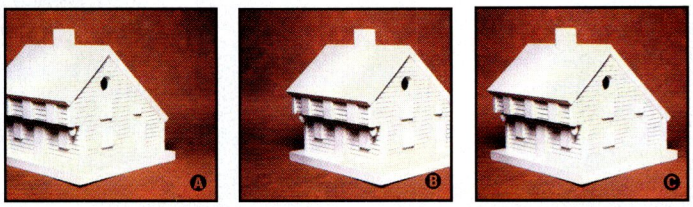
## Vertical Image Placement

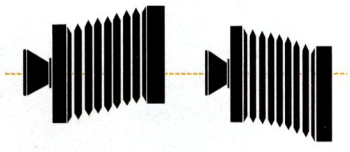


If the subject looks like **A** on the ground glass, or like **B**, use the front or back rise and fall and the subject will look like **C**, properly composed. Note: Moving the back rise does not change the camera's point of view in relation to the subject. When shooting a tall building, applying a front rise can make it possible to bring the top of the building into view *and* keep vertical lines parallel.

## Horizontal Image Placement

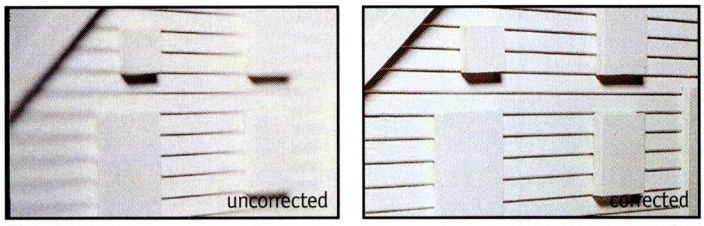


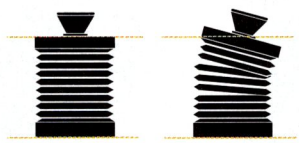



*top view*

If the subject looks like **A** on the ground glass, or like **B**, use the front or back lateral shift, and the subject will look like **C**, properly composed. Note: Moving the back shift does not change the camera's point of view in relation to the subject. Shifting the front, or lens, does alter the camera's viewpoint, affecting the relationship between near and far subjects.

## Plane of Focus



*top view*

A primary benefit of the view camera is its ability to tilt or swing the plane of the lens to match that of the plane of sharp focus within a scene – without changing the shape of the subject. This also allows the photographer to bring a subject into focus without changing the aperture. Above, the subject was brought into full, sharp focus by swinging the lens until the two were parallel.

# Calumet Your Large Format Lens Specialists

CALUMET'S LENS WARRANTY Lifetime

Calumet has the widest large format lens selection and the largest on-hand inventory in the country. With over 2000 lenses in-stock at all times, we are always ready to meet your lens needs at a moment's notice.

Our knowledgeable and experienced Technical Sales Representatives will assist you with any questions you might have concerning the selection of a lens that will best meet your needs.

And, if for any reason you are not satisfied with your lens purchase, you may return the lens within 15 days and receive a full refund. (Subject to Calumet's standard return policy.)

## High Quality, Best Value

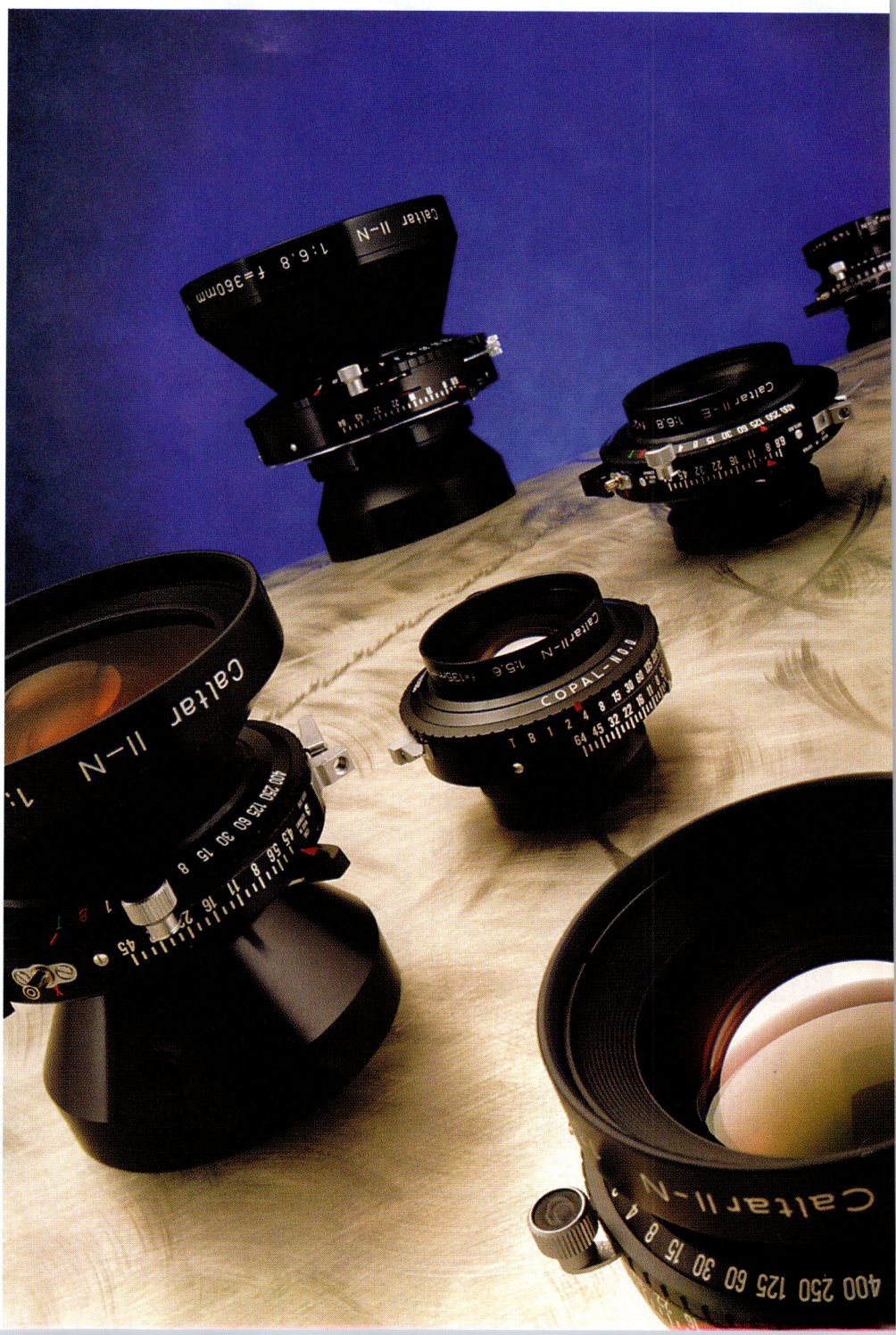
Calumet's exclusive large format lenses are among the finest optics in the world. In fact, Caltar II lenses have earned their reputation among professional photographers because they offer "double-edged" sharpness!

Optically, Caltar's German glass is as sharp as can be, with superb contrast, accurate color rendition and outstanding illumination corner-to-corner, edge-to-edge! Economically, you won't find sharper prices than Caltar's anywhere! They truly represent the "best value" available in large format lenses.

No matter what your large format shooting needs might be, Caltar's wide selection of focal lengths and lens designs offers unlimited solutions.

## Calumet Lifetime Lens Warranty

When you purchase a Caltar, Schneider or Rodenstock large format lens from Calumet, they are guaranteed for life! That's right. Calumet's exclusive Lifetime Lens Warranty covers selected large format lenses and warrants them to be free of manufacturing defects for the lifetime of the original owner (shutters excluded). Please call for specific details.




## Tips.

### Lens Brand Buying Tip

For the most uniform color rendition, saturation, and contrast consistency image to image, stick with the same brand of lens manufacturer when you are adding new lenses to your system. Different brands have different "personalities."

# Angle of View vs. Angle of Coverage

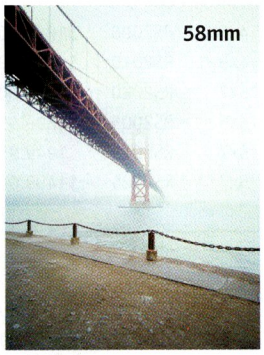
The angle of view of a camera lens is the amount of the subject area that is seen and reproduced on film. It is determined by the lens focal length in direct relation to the film's format. There are three angles of view for each film format: horizontal, vertical, and diagonal, with figures calculated with the lens focused at infinity. Horizontal is the standard reference.

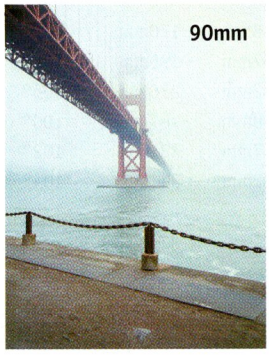
The purpose of this chart is to help explain the difference between camera formats. For example, a 20mm lens on a 35mm camera has angle of view of 84°. The comparable lens on a 4x5 camera would be a 65mm lens, having an angle of view of 86°.

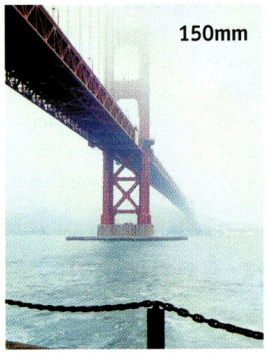
Angle of coverage, on the other hand, can be defined as the angle formed by the entire image circle projected onto the film by the lens. Angle of coverage is directly determined by lens design, not focal length. It must be noted that the angle of coverage is affected by the f-stop of the lens and should be referenced at a given f-stop, or aperture number. The angle of coverage is usually given @ f/22 with the lens focused at infinity. Check manufacturers' specifications to be certain.

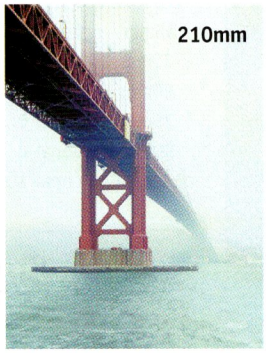
Angle of coverage is an extremely important specification to examine when choosing a large format lens. Comparing the angle of coverage between lenses determines which lens will allow the greater range of camera movements – the greater the angle of coverage, the greater the amount of view camera movements.

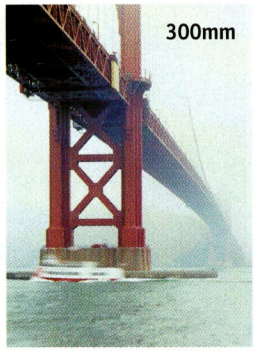
In summary, angle of view must be given for a specified film format, and is dependent on lens focal length. Angle of coverage is the complete image forming angle of a lens and is determined by the lens design.




## Angle of View*

| 35mm | | 6x6cm | | 6x7cm | | 6x9cm | | 4x5" | | 5x7" | | 8x10" | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Focal Length | Angle of View | Focal Length | Angle of View | Focal Length | Angle of View | Focal Length | Angle of View | Focal Length | Angle of View | Focal Length | Angle of View | Focal Length | Angle of View |
| | | | | | | | | | | 75mm | 97° | 120mm | 92° |
| 20mm | 84° | | | | | 50mm | 81° | 65mm | 86° | 90mm<br>100mm | 87°<br>81° | 135mm | 85° |
| 24mm | 74° | | | | | | | 75mm | 78° | 120mm | 71° | 150mm<br>165mm | 79°<br>74° |
| 28mm | 65° | 40mm | 69° | 50mm | 69° | 65mm | 66° | 90mm<br>100mm | 68°<br>62° | 135mm | 64° | 180mm<br>210mm | 69°<br>61° |
| 35mm | 54° | 50mm | 58° | 65mm | 56° | 75mm<br>90mm | 59°<br>51° | 120mm | 53° | 150mm<br>165mm<br>180mm | 59°<br>54°<br>40° | 240mm | 55° |
| 45mm<br>50mm | 44°<br>40° | 60mm<br>75mm | 49°<br>40° | 75mm<br>80mm<br>90mm | 49°<br>46°<br>42° | 105mm | 44° | 135mm<br>150mm<br>165mm | 48°<br>44°<br>40° | 210mm | 44° | 300mm | 45° |
| 55mm<br>58mm | 36°<br>34° | 80mm<br>100mm<br>105mm | 39°<br>31°<br>30° | 105mm<br>120mm<br>127mm | 36°<br>32°<br>30° | 120mm<br>135mm<br>150mm | 39°<br>35°<br>32° | 180mm<br>210mm | 37°<br>31° | 240mm<br>300mm | 39°<br>32° | 360mm<br>450mm | 38°<br>31° |
| 85mm<br>105mm | 24°<br>19° | 120mm<br>135mm<br>150mm | 26°<br>23°<br>21° | 140mm<br>150mm<br>180mm | 27°<br>26°<br>22° | 180mm<br>250mm | 27°<br>19° | 240mm<br>300mm<br>360mm | 28°<br>23°<br>19° | 360mm<br>450mm<br>480mm | 27°<br>21°<br>20° | 480mm | 29° |
| 135mm<br>180mm<br>200mm | 15°<br>12°<br>10° | 250mm | 13° | 360mm | 11° | 360mm | 13° | 450mm<br>480mm | 15°<br>14° | | | | |

** Expressed for the longer dimension.*

# Wide Angle Lenses

## Wide Angle Lenses

**Wide Angle Lenses**
By definition, a wide angle lens has a focal length less (or shorter) than the film format's diagonal dimension, resulting in a wider angle of view than a "normal" focal length lens. However, a wide angle lens must also have more "covering power" than a normal lens of the same focal length. Covering power is measured in such terms as image circle and angle of coverage, and is a factor of optical design, not focal length. When considering a specific wide angle lens, it is most important to determine whether or not it has sufficient covering power to fully utilize your camera's image control adjustments.




## Center Filters

To eliminate the disturbing illumination fall-off at the corners when working with ultra wide angle lenses, concentrically graduated "Center Filters" have been designed to compensate for this vignetting. These filters have an absorption which diminishes gradually from the center to the edges where it reaches full transparency. This absorption is independent from the wave lengths of the visible spectrum.

| Focal Length | Type of Shutter | Aperture Range | Lens Config. | Flange Focal Distance* | Filter Size | Image Circle** | Angle of Coverage** | Max. Format | Item No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| **Caltar II Wide Angle** | | | | | | | | | | |
| 65mm | Copal 0 | 4.5-45 | 8-4 | 70mm | 58mm | 170mm | 105° | 4x5 | CL2654 | $1099.00 |
| 75mm | Copal 0 | 4.5-45 | 8-4 | 82mm | 67mm | 195mm | 105° | 4x5 | CL2754 | $1149.00 |
| 75mm | Copal 0 | 6.8-45 | 6-4 | 78mm | 58mm | 187mm | 102° | 4x5 | CL2751 | $799.95 |
| 90mm | Copal 1 | 4.5-45 | 8-4 | 98mm | 82mm | 236mm | 105° | 5x7 | CL2954 | $1399.00 |
| 90mm | Copal 0 | 6.8-45 | 6-4 | 94mm | 67mm | 221mm | 102° | 5x7 | CL2901 | $849.95 |
| 115mm | Copal 1 | 6.8-45 | 6-4 | 121mm | 82mm | 291mm | 104° | 5x7 | CL2115 | $1399.00 |
| **Rodenstock APO Grandagon** | | | | | | | | | | |
| 35mm | Copal 0 | 4.5-22 | 8-4 | 43mm | 67mm | 125mm | 120° | 6x12 | RS1935 | $1199.00 |
| 45mm | Copal 0 | 4.5-32 | 8-4 | 56mm | 67mm | 131mm | 110° | 6x12 | RS1945 | $995.00 |
| 55mm | Copal 0 | 4.5-45 | 8-4 | 68mm | 67mm | 163mm | 110° | 4x5 | RS1955 | $1139.00 |
| **Rodenstock Grandagon** | | | | | | | | | | |
| 65mm | Copal 0 | 4.5-45 | 8-4 | 70mm | 58mm | 170mm | 105° | 4x5 | RS2000 | $1229.00 |
| 75mm | Copal 0 | 4.5-45 | 8-4 | 82mm | 67mm | 195mm | 105° | 4x5 | RS2010 | $1299.00 |
| 90mm | Copal 1 | 4.5-45 | 8-4 | 98mm | 82mm | 236mm | 105° | 5x7 | RS2020 | $1499.00 |
| 75mm | Copal 0 | 6.8-45 | 6-4 | 78mm | 58mm | 187mm | 100° | 4x5 | RS2005 | $899.95 |
| 90mm | Copal 0 | 6.8-45 | 6-4 | 94mm | 67mm | 221mm | 102° | 5x7 | RS2015 | $949.95 |
| 115mm | Copal 1 | 6.8-45 | 6-4 | 121mm | 82mm | 291mm | 104° | 5x7 | RS2025 | $1499.00 |
| **Schneider Super Angulon** | | | | | | | | | | |
| 47mmXL | Copal 0 | 5.6-32 | 8-4 | 59mm | 67mm | 166mm | 120° | 4x5 | SC6476 | $1349.00 |
| 58mm XL | Copal 0 | 5.6-32 | 8-4 | 69mm | 67mm | 166mm | 110° | 4x5 | SC6585 | $1179.00 |
| 65mm | Copal 0 | 5.6-45 | 8-4 | 72mm | 67mm | 170mm | 105° | 4x5 | SC6655 | $1229.00 |
| 72mmXL | Copal 0 | 5.6-45 | 8-4 | 82mm | 95mm | 226mm | 115° | 5x7 | SC6725 | $1499.00 |
| 75mm | Copal 0 | 5.6-45 | 8-4 | 85mm | 67mm | 198mm | 105° | 4x5 | SC6755 | $1399.00 |
| 90mm | Copal 0 | 8.0-45 | 6-4 | 103mm | 67mm | 216mm | 100° | 4x5 | SC6908 | $1079.00 |
| 90mm XL | Copal 0 | 5.6-45 | 8-4 | 103mm | 95mm | 259mm | 110° | 5x7 | SC6910 | $1599.00 |
| 120mm | Copal 0 | 8.0-64 | 6-4 | 133mm | 82mm | 288mm | 100° | 5x7 | SC6120 | $1439.00 |
| **Nikkor SW Series** | | | | | | | | | | |
| 65mm | Copal 0 | 4.0-45 | 7-4 | 71mm | 67mm | 170mm*** | 105°*** | 4x5 | NL1805 | $1299.00 |
| 75mm | Copal 0 | 4.5-45 | 7-4 | 81mm | 67mm | 200mm*** | 106°*** | 4x5 | NL1807 | $1479.00 |
| 90mm | Copal 0 | 4.5-64 | 7-4 | 97mm | 82mm | 235mm*** | 105°*** | 5x7 | NL1810 | $1589.00 |
| 90mm | Copal 0 | 8.0-64 | 8-4 | 97mm | 67mm | 235mm | 105° | 5x7 | NL1815 | $999.00 |
| 120mm | Copal 0 | 8.0-64 | 8-4 | 131mm | 77mm | 312mm | 105° | 5x7 | NL1816 | $1369.00 |

## Center Filters

| | | |
|---|---|---|
| **Caltar II and Rodenstock** | | |
| 58mm Filter for 65mm f/4.5 and 75mm f/6.8 Caltar II and Grandagon Lenses | RS2036 | $299.95 |
| 67mm Filter for 75mm f/4.5 and 90mm f/6.8 Caltar II and Grandagon Lenses | RS2037 | $369.95 |
| 82mm Filter for 90mm f/4.5 and 115mm f/6.8 Caltar II and Grandagon Lenses | RS2038 | $499.95 |
| **Schneider** | | |
| 67mm Filter for 47mmXL f/5.6 Super Angulon Lens | SC8006 | $389.95 |
| 95mm Filter for 72mmXL f/5.6 Super Angulon Lens | SC8007 | $529.95 |
| 95mm Filter for 90mmXL f/5.6 Super Angulon Lens | SC8008 | $529.95 |
| 49mm Filter for 47mm f/5.6 and 75mm f/8 Super Angulon Lenses | SC8001 | $309.95 |
| 67mm Filter for 65mm f/5.6 and 75mm f/5.6 Super Angulon Lenses | SC8002 | $369.95 |
| 82mm Filter for 90mm f5.6 and 120mm f/8 Super Angulon Lenses | SC8004 | $479.95 |
| 67mm Filter for 90mm f/8 Super Angulon Lens and 58XL | SC8005 | $399.95 |



* Lensboard-to-film distance with lens focused at infinity. ** at f/22 *** at f/16

| Focal Length | Type of Shutter | Aperture Range | Lens Config. | Flange Focal Distance* | Filter Size | Image Circle** | Angle of Coverage** | Max. Format | Item No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| **Caltar II Symmetrical** | | | | | | | | | | |
| 135mm | Copal 0 | 5.6-64 | 6-4 | 130mm | 40.5mm | 200mm | 72° | 4x5 | CL2135 | $509.95 |
| 150mm | Copal 0 | 5.6-64 | 6-4 | 142mm | 49mm | 214mm | 72° | 4x5 | CL2150 | $529.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 173mm | 58mm | 262mm | 72° | 5x7 | CL2180 | $699.95 |
| 210mm | Copal 1 | 5.6-64 | 6-4 | 200mm | 67mm | 301mm | 72° | 5x7 | CL2210 | $749.95 |
| 240mm | Copal 3 | 5.6-64 | 6-4 | 231mm | 77mm | 350mm | 72° | 8x10 | CL2240 | $1249.00 |
| 300mm | Copal 3 | 5.6-64 | 6-4 | 282mm | 86mm | 425mm | 72° | 8x10 | CL2300 | $1699.00 |
| 360mm | Copal 3 | 6.8-64 | 6-4 | 333mm | 105mm | 435mm | 64° | 8x10 | CL2360 | $1899.00 |
| **Caltar II Compact** | | | | | | | | | | |
| 150mm | Copal 0 | 6.3-64 | 3-3 | 137mm | 40.5mm | 180mm | 62° | 4x5 | CL4150 | $299.95 |
| 210mm | Copal 1 | 6.8-64 | 3-3 | 195mm | 49mm | 242mm | 60° | 5x7 | CL4210 | $429.95 |
| **Rodenstock Apo-Sironar-N** | | | | | | | | | | |
| 100mm | Copal 0 | 5.6-64 | 6-4 | 100mm | 40.5mm | 151mm | 72° | 2¼" x 3¼" | RS1300 | $499.95 |
| 135mm | Copal 0 | 5.6-64 | 6-4 | 130mm | 40.5mm | 200mm | 72° | 4x5 | RS1305 | $549.95 |
| 150mm | Copal 0 | 5.6-64 | 6-4 | 142mm | 49mm | 214mm | 72° | 4x5 | RS1310 | $579.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 173mm | 58mm | 262mm | 72° | 5x7 | RS1315 | $749.95 |
| 210mm | Copal 1 | 5.6-64 | 6-4 | 200mm | 67mm | 301mm | 72° | 5x7 | RS1320 | $829.95 |
| 240mm | Copal 3 | 5.6-64 | 6-4 | 231mm | 77mm | 350mm | 72° | 8x10 | RS1325 | $1399.00 |
| 300mm | Copal 3 | 5.6-64 | 6-4 | 282mm | 86mm | 425mm | 72° | 8x10 | RS1330 | $1799.00 |
| 360mm | Copal 3 | 6.8-64 | 6-4 | 333mm | 105mm | 435mm | 64° | 8x10 | RS1335 | $2069.00 |
| **Schneider Apo-Symmar** | | | | | | | | | | |
| 100mm | Copal 0 | 5.6-64 | 6-4 | 95mm | 40.5mm | 145mm | 72° | 2¼" x 3¼" | SC7200 | $649.95 |
| 120mm | Copal 0 | 5.6-64 | 6-4 | 118mm | 49mm | 179mm | 72° | 4x5 | SC7205 | $679.95 |
| 135mm | Copal 0 | 5.6-64 | 6-4 | 128mm | 49mm | 195mm | 72° | 4x5 | SC7210 | $699.95 |
| 150mm | Copal 0 | 5.6-64 | 6-4 | 144mm | 58mm | 220mm | 72° | 5x7 | SC7215 | $699.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 177mm | 58mm | 263mm | 72° | 5x7 | SC7220 | $899.95 |
| 210mm | Copal 1 | 5.6-64 | 6-4 | 203mm | 72mm | 305mm | 72° | 5x7 | SC7225 | $979.95 |
| 240mm | Copal 3 | 5.6-64 | 6-4 | 238mm | 77mm | 352mm | 72° | 8x10 | SC7230 | $1699.00 |
| 300mm | Copal 3 | 5.6-64 | 6-4 | 281mm | 105mm | 425mm | 72° | 8x10 | SC7235 | $2099.00 |
| 360mm | Copal 3 | 6.8-64 | 6-4 | 340mm | 112mm | 491mm | 70° | 11x14 | SC7240 | $2349.00 |
| 480mm | Copal 3 | 8.4-64 | 6-4 | 455mm | 105mm | 500mm | 56° | 11x14 | SC7245 | $2949.00 |
| **Nikkor W Series** | | | | | | | | | | |
| 105mm | Copal 0 | 5.6-45 | 6-4 | 103mm | 52mm | 155mm | 73° | 2¼" x 3¼" | NL1818 | $599.95 |
| 135mm | Copal 0 | 5.6-64 | 6-4 | 134mm | 52mm | 200mm | 73° | 4x5 | NL1820 | $699.95 |
| 150mm | Copal 0 | 5.6-64 | 6-4 | 147mm | 52mm | 210mm | 70° | 4x5 | NL1830 | $679.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 177mm | 67mm | 253mm | 70° | 5x7 | NL1840 | $779.95 |
| 210mm | Copal 1 | 5.6-64 | 6-4 | 207mm | 67mm | 295mm | 70° | 5x7 | NL1850 | $819.95 |
| 240mm | Copal 3 | 5.6-64 | 6-4 | 226mm | 82mm | 336mm | 70° | 8x10 | NL1860 | $1459.00 |
| 300mm | Copal 3 | 5.6-64 | 6-4 | 285mm | 95mm | 420mm | 70° | 10x12 | NL1865 | $1899.00 |
| 360mm | Copal 3 | 6.5-64 | 6-4 | 346mm | 95mm | 494mm | 69° | 11x14 | NL1866 | $2019.00 |

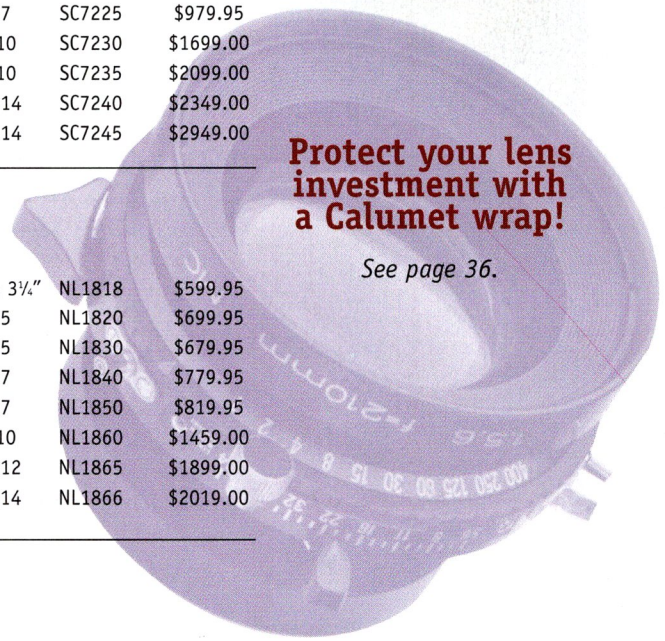
* Lensboard-to-Film distance with lens focused at infinity. **f/22

## Standard Lenses

**Standard Lenses**
These standard, or "normal" lenses are designed for general purpose applications intended to perform well in a wide variety of shooting situations, such as product, portrait, landscape and some architectural photography. As a general rule, a normal focal length lens is often equal to the diagonal dimension of the film format being used (e.g. 4x5 film has a 161mm, or 6½" diagonal). But, selecting "the best" focal length for your particular needs is primarily dependent upon the application for which the lens is used (e.g. a 210mm, or 8½" lens is considered a "normal" focal length for a 4x5 studio view camera, whereas a 135mm, or 5½" lens might be considered a "normal" focal length by a landscape photographer).



see page 30



**Protect your lens investment with a Calumet wrap!**

*See page 36.*

CALUMET'S LENS WARRANTY Lifetime see page 30

## Flat Field Lenses

Flat field lenses are basically designed to view the world two-dimensionally. With their subject plane-of-focus parallel to the film plane when all camera movements are zeroed-out, these lenses are the ideal choice for critical, flat-copy reproduction work. Since so much of this type of work is done at relatively large reproduction ratios, these lenses are also well corrected for close-up, or short camera-to-subject distances. However, most flat-field lenses are eminently usable at infinity, and actually yield excellent results throughout their entire focus range. Their only shortcoming is their relatively small maximum aperture.

**Protect your lens investment with a Calumet wrap!**

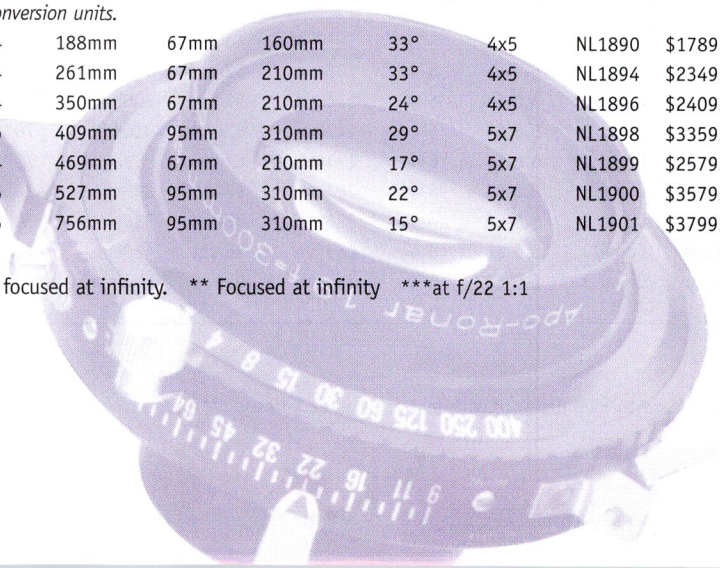
*See page 36.*

## Telephoto Lenses

These optics are uniquely different from standard long focal length lenses which require a bellows draw equal to their focal length in order to focus at infinity. Telephoto lenses require considerably less bellows draw, or extension—approximately ½ - ¾ their focal length, allowing the use of longer lenses on cameras with fixed or restricted bellows such as field cameras.

| Focal Length | Type of Shutter | Aperture Range | Lens Config. | Flange Focal Distance* | Filter Size | Image Circle** | Angle of Coverage** | Max. Format | Item No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| **Rodenstock Apo-Ronar** | | | | | | | | | | |
| These versatile apochromatically corrected lenses produce optimum color fidelity, contrast, definition and freedom from distortion. Ideally suited for exacting close-up work in commercial and industrial applications, the Apo-Ronars yield consistent quality in shots from same-size reproduction, to subjects at infinity (i.e. landscapes). | | | | | | | | | | |
| 240mm | Copal 1 | 9-90 | 4-4 | 235mm | 49mm | 212mm | 48° | 4x5 | RS4240 | $899.95 |
| 300mm | Copal 1 | 9-90 | 4-4 | 296mm | 49mm | 264mm | 48° | 5x7 | RS4300 | $1019.00 |
| 360mm | Copal 3 | 9-90 | 4-4 | 351mm | 58mm | 318mm | 48° | 5x7 | RS4360 | $1449.00 |
| 480mm | Copal 3 | 9-90 | 4-4 | 463mm | 67mm | 396mm | 46° | 8x10 | RS4480 | $1699.00 |
| **Schneider G-Claron** | | | | | | | | | | |
| Especially designed for flat field work, G-Claron lenses are also excellent for closeups, tabletop, and photomacrography. Their 6-element, 4-group symmetrical lens design is optimized for magnifications around 1:1 and they reproduce with outstanding definition from line, continuous and half-tone originals. G-Clarons also feature large image circles. | | | | | | | | | | |
| 150mm | Copal 0 | 9-64 | 6-4 | 148mm | 35.5mm | 189mm** | 64° | 4x5 | SC7000 | $519.95 |
| 210mm | Copal 1 | 9-64 | 6-4 | 205mm | 49mm | 260mm** | 64° | 5x7 | SC7005 | $699.95 |
| 240mm | Copal 1 | 9-64 | 6-4 | 234mm | 52mm | 298mm** | 64° | 5x7 | SC7010 | $749.95 |
| 270mm | Copal 1 | 9-64 | 6-4 | 264mm | 58mm | 335mm** | 64° | 8x10 | SC7015 | $929.95 |
| 305mm | Copal 1 | 9-64 | 6-4 | 302mm | 67mm | 381mm** | 64° | 8x10 | SC7020 | $939.95 |
| 355mm | Copal 3 | 9-64 | 6-4 | 350mm | 77mm | 444mm** | 64° | 10x12 | SC7025 | $1379.00 |
| **Schneider Macro Symar HM** | | | | | | | | | | |
| 80mm | Copal 0 | 5.6-32 | 8-4 | 78mm | 40mm | 141mm*** | 47° | — | SC7501 | $989.95 |
| 120mm | Copal 0 | 5.6-46 | 8-4 | 116mm | 40.5mm | 250mm*** | 55° | — | SC7505 | $1295.00 |
| 180mm | Copal 1 | 5.6-64 | 8-4 | 174mm | 58mm | 375mm*** | 55° | — | SC7520 | $1399.00 |
| **Nikkor M Series** | | | | | | | | | | |
| Chromatic aberrations are corrected for the entire visible portion of the spectrum, and faithful reproduction of subtle variations in color are assured. | | | | | | | | | | |
| 200mm | Copal 0 | 8-64 | 4-3 | 194mm | 52mm | 210mm | 55° | 4x5 | NL1869 | $739.95 |
| 300mm | Copal 1 | 9-128 | 4-3 | 290mm | 52mm | 325mm | 57° | 8x10 | NL1870 | $839.95 |
| 450mm | Copal 3 | 9-128 | 4-3 | 428mm | 67mm | 440mm | 52° | 8x10 | NL1880 | $1459.00 |
| **Nikkor Telephoto T-ED Series** | | | | | | | | | | |
| True telephoto lenses for maximum focal length with minimum bellows draw. Feature interchangeable rear lens units. *Please see page 36 for T-ED Series lens conversion units.* | | | | | | | | | | |
| 270mm | Copal 1 | 6.3-64 | 5-4 | 188mm | 67mm | 160mm | 33° | 4x5 | NL1890 | $1789.00 |
| 360mm | Copal 1 | 8.0-64 | 5-4 | 261mm | 67mm | 210mm | 33° | 4x5 | NL1894 | $2349.00 |
| 500mm | Copal 1 | 11-64 | 6-4 | 350mm | 67mm | 210mm | 24° | 4x5 | NL1896 | $2409.00 |
| 600mm | Copal 3 | 9-64 | 6-5 | 409mm | 95mm | 310mm | 29° | 5x7 | NL1898 | $3359.00 |
| 720mm | Copal 1 | 16-64 | 7-4 | 469mm | 67mm | 210mm | 17° | 5x7 | NL1899 | $2579.00 |
| 800mm | Copal 3 | 12-64 | 7-5 | 527mm | 95mm | 310mm | 22° | 5x7 | NL1900 | $3579.00 |
| 1200mm | Copal 3 | 18-64 | 8-5 | 756mm | 95mm | 310mm | 15° | 5x7 | NL1901 | $3799.00 |

*Lensboard-to-film distance with lens focused at infinity. ** Focused at infinity ***at f/22 1:1



## Rodenstock Apo-Sironar-S

Larger angle of coverage to allow for generous camera movements. With ED (extra-low dispersion) glass, these lenses can obtain apochromatic correction with excellent center-to-edge resolution, and reduced flare in high-contrast subjects as well as in critical back-light situations.

| Focal Length | Type of Shutter | Aperture Range | Lens Config. | Flange Focal Distance* | Filter Size | Image Circle** | Angle of Coverage** | Max. Format | Item No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| 135mm | Copal 0 | 5.6-64 | 6-4 | 132mm | 49mm | 208mm | 75° | 4x5 | RS3005 | $729.95 |
| 150mm | Copal 0 | 5.6-64 | 6-4 | 147mm | 49mm | 231mm | 75° | 4x5 | RS3010 | $769.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 177mm | 67mm | 276mm | 75° | 5x7 | RS3015 | $899.95 |
| 210mm | Copal 1 | 5.6-64 | 6-4 | 202mm | 72mm | 316mm | 75° | 5x7 | RS3020 | $989.95 |
| 240mm | Copal 3 | 5.6-64 | 6-4 | 230mm | 86mm | 372mm | 75° | 8x10 | RS3025 | $1679.00 |
| 300mm | Copal 3 | 5.6-64 | 6-4 | 277mm | 100mm | 448mm | 75° | 8x10 | RS3030 | $2299.00 |
| 360mm | Copal 3 | 6.8-64 | 6-4 | 330mm | 112mm | 468mm | 68° | 8x10 | RS3035 | $2569.00 |

## Schneider Super-Symmar High Modulation

This Super-Symmar lens series provides increased flexibility and performance with larger image circles and up to 105° angle of view. These superior specifications allow for greater camera movements and greater format coverage than usual. Their 8 element 6 group design offers outstanding performance and accuracy. Super-Symmar HM lenses incorporate an advanced flourite glass element near the center. Be sure to check out the incredible coverage on the new 110mmXL and 150mmXL models.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 110mmXL | Copal 1 | 5.6-64 | 6-4 | N.A. | 67mm | 288mm | 105° | 5x7 | SC8110 | $2199.00 |
| 150mmXL | Copal 1 | 5.6-64 | 6-4 | N.A. | 67mm | 386mm | 105° | 8x10 | SC8160 | $2399.00 |
| 210mm | Copal 3 | 5.6-64 | 8-6 | 227mm | 100mm | 356mm | 80° | 8x10 | SC8210 | $2699.00 |

## Nikkor AM Apo-Macro Series

These Apo-Macro lenses are designed exclusively for close-up work. ED (Extra-low Dispersion) glass provides excellent correction of chromatic aberration. Chromatic aberrations are corrected for the entire visible

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 120mm | Copal 0 | 5.6-45 | 8-4 | 116mm | 52mm | 250mm† | 55°† | 4x5 | NL1867 | $1279.00 |
| 210mm | Copal 1 | 5.6-64 | 8-4 | 203mm | 67mm | 400mm† | 51°† | 8x10 | NL1868 | $2799.00 |

## Rodenstock APO Macro-Sironar

Specially designed for near and macro range, optimized for a scale of 1:2 and exceptional from 1:5 to 2:1. Both lenses feature high speed and large image circles.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 120mm | Copal 0 | 5.6-64 | 6-4 | 236mm | 49mm | 277mm† | 60°† | 4x5 | RS1020 | $899.95 |
| 180mm | Copal 1 | 5.6-64 | 6-4 | 176mm | 67mm | 415mm† | 60°† | 5x7 | RS1025 | $1189.00 |

## Rodenstock Apo-Sironar Digital

Specially designed for digital photography with fine gradation to meet the demands of all chip and scanner formats. Focal lengths from 35mm mean that real wide-angle shots are possible even with the smaller chip sizes while still allowing large movements.

| Focal Length | Type of Shutter | Relative Aperture | Flange Focal Distance[1] | Filter Size | Image Circle[3] | Max. Format | Item No. | Price |
|---|---|---|---|---|---|---|---|---|
| 35mm | Prontor 0 | 4.5 | 43.2mm | 67mm | 105mm | 60x80mm | RS3060 | $1499.00 |
| 45mm | Prontor 0 | 4.5 | 55.5mm | 67mm | 125mm | 70x100mm | RS3062 | $1299.00 |
| 55mm | Prontor 0 | 4.5 | 67.6mm | 67mm | 125mm | 70x100mm | RS3064 | $1299.00 |
| 90mm | Prontor 0 | 5.6 | 93.1mm | 67mm | 125mm | 70x100mm | RS3066 | $1189.00 |
| 105mm | Prontor 0 | 5.6 | 100mm | 49mm | 125mm | 70x100mm | RS3068 | $899.95 |
| 135mm | Prontor 0 | 5.6 | 132mm | 49mm | 150mm | 70x100mm | RS3070 | $899.95 |
| 150mm | Prontor 0 | 5.6 | 147mm | 49mm | 150mm | 70x100mm | RS3072 | $1095.00 |
| 180mm | Prontor 1 | 5.6 | 177mm | 67mm | 150mm | 70x100mm | RS3074 | $1095.00 |
| 120mm | Prontor 0 | 5.6 | 236mm[2] | 49mm | 150mm | 70x100mm | RS3076 | $1095.00 |

*1 at 1: infinity* *2 at image scale of 1:1* *3 at f/11*

### Special Enhanced Lenses

Lenses with enhanced features, such as a larger than average angle of coverage, also offer more flexibility than normal lenses. More specifically, the 80° angle of coverage provided by Schneider's Super-Symmar HM series allows for greater format coverage and camera movements. Use of new glass also produces better edge sharpness and less light fall-off.



see page 30

### Special Macro Lenses

These lenses are designed to deliver optimum performance at close subject range, like 1:1, and are useful from approximately 1:3 to 3:1 reproduction ratios. Historically, close-up lenses have had relatively slow maximum apertures, like f/9, which has limited their usefulness to flat copy and small product studio applications. However, newer designs from Rodenstock, Nikon and Schneider have gained a few stops, and more than a few converts. When studying macros, keep in mind that their coverage increases with magnification.

* Lensboard-to-film distance with lens focused at infinity.
** at f/22 *** at f/16 †1:1

## Lensboards for Popular View Cameras

| Camera | Dimensions | Flat | Recessed |
|---|---|---|---|
| Calumet 400 | 3 15/16" square | CC4503 | CC4504 |
| Calumet C-1 8x10 | 6" square | CC8102 | |
| Calumet Wood-Field | 3 9/16" square | CW1010 | |
| Cambo/Calumet | 6 3/8" square | CB0508 | CB1508 |
| Cambo 23SF | 4 7/8" square | CB0120 | |
| Deardorf 6x6 | 6" square | LB0010 | |
| Deardorf 4x4 | 3 15/16" square | CC4503 | |
| Horseman View | 5 7/16" square | HR4695 | |
| Linhof | 3 3/4" x 3 7/8" | LN2000 | |
| Linhof Kardan | 6 3/8" square | LB0015 | LB0020 |
| Sinar | 5 7/16" square | HR4693 | |
| Toyo-View | 6 1/4" square | TY46550 | TY46580 |
| Toyo-Field 45A | 4 15/16" square | TY4505 | TY4508 |
| Wood-Field XM | 3 7/8" square | WF10100 | |
| Wood-Field 8x10 | 5 3/8" square | WF2010 | |
| Wista 4x5 | 3 7/8" square | LB1000 | |
| Zone VI 4x5 | 3 15/16" square | ZN1010 | |
| Zone VI 8x10 | 5 1/2" square | ZN2010 | |

## Lensboard Value and Services

Receive a FREE lensboard*, precision drilling and custom mounting with every large format lens you buy from Calumet. In addition to warranty repair work on all Caltar Lenses, Calumet repairs most large format shutters.

For details, contact our Customer Service Department at 1-800-453-2557.

**For Calumet, Cambo, Woodfield & Zone VI cameras only.*

## Nikkor T-ED Series Conversion Lens Units

Focal length of T-ED lenses can be converted by simply removing the rear lens unit and replacing it with one of these converter units.

*Note: Converted lenses retain the specifications of the original FRONT element and shutter combination.*

| | | |
|---|---|---|
| 500/720mm to 360mm | NL1902 | $589.95 |
| 360/720mm to 500mm | NL1904 | $679.95 |
| 800/1200mm to 600mm | NL1906 | $769.95 |
| 360mm/500mm to 720mm | NL1907 | $859.95 |
| 600mm to 1200mm | NL1908 | $889.95 |
| 600mm/800mm to 1200mm | NL1910 | $1149.00 |

## Calumet Cable Releases

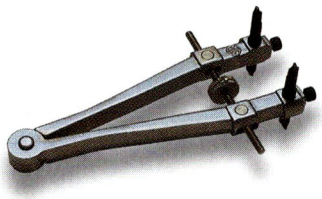
**Deluxe Cable Releases**
Has substantial hand-grip with disk lock and spring-protected tip.
**20" BR5122 $34.95** **40" BR5120 $39.95**

**20" Pro Cable Release**
Flexible, cloth covered release with disk lock for time exposures. **HV2000 $24.95**

**40" Heavy-duty Cable Release**
Plastic covered, metal-clad release with circular disk lock. **HV1040 $15.95**

**20" Flex-Tip Cable Release**
Ideal for recessed lensboard. **GR1021 $29.95**

**Swivel Cable Release Adapter**
Ideal for recessed lensboards. **CB2400 $26.95**



## Spanner Wrench Kits

**Heavy-Duty Wrench**
Removes retaining rings with ease. Adjusts from ½" to 7" diameter. Includes 3½" and 7" hex bars, hex-hollowed arms and three sets of 7/32" hex-bodied tips with straight shank and round tip.
**ES1000 $99.95**

**Deluxe Spanner Wrench**
Designed especially for camera and optical work. Precision screw-drive adjusts quickly and easily from 0" to 3" diameters. Flat bladed tips.
**HR1010 $189.95**

## Copal Shutters

All Copal shutters feature a press focus lever (for focusing), full X sync, and come supplied with mounting rings. NOTE: Aperture scales are purchased separately. Call for details.

**Copal #0 Shutter**
1/500 - 1 sec., T and B settings, 34.8mm lensboard opening. **C01000 $229.95**

**Copal #1 Shutter**
1/400 - 1 sec., T and B settings, 41.8mm lensboard opening. **C02000 $289.95**

**Copal #3 Shutter**
1/125 - 1 sec., T and B settings, 65.3mm lensboard opening. **C03000 $469.95**

**Copal #0 Press Shutter**
Self-cocking, 1/125 - 1 sec., and B
**C04000 $269.95**

**Copal #1 Press Shutter**
Self-cocking, 1/125 - 1 sec., and B
**C04500 $299.95**

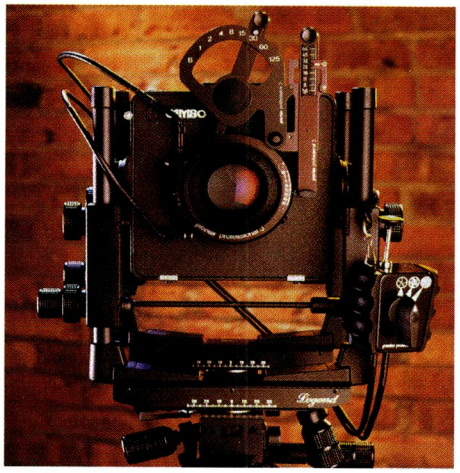


## Calumet Wraps

The best method we have found to protect lenses, meters, film backs and 35mm camera bodies. Completely adjustable with Velcro closures.

**10x10" Calumet Wrap**
For lens up to 210mm mounted on 4" x 4" lensboards. **WP2030 $9.95**
Buy 2 or more @ $7.50

**18x18" Calumet Wrap**
For lens up to 300mm mounted on 6" x 6" lensboards. **WP2035 $11.95**
Buy 2 or more @ $9.95



## Prontor Professional Shutter System

This convenient professional shutter system permits the setting and reading of f-stops from behind the camera. Mechanically controlled, self-cocking shutter is always ready to shoot, even for multiple exposures in quick succession. The Prontor System features flash sync connection with high friction plug, easy-to-read scales and accessible operating elements.

*Note: Prontor Shutter requires calibration for the lens it is to be used with. Please specify which lens you'll be using when ordering any Prontor Shutter. Cannot be mounted to recessed lens boards or Fuji lenses. When having lensboards drilled, Prontor 0 should be drilled to Copal 1 size.*

Prontor Shutter 0 Speed: 1/250 to 1 sec. and B
**PW0100 $463.95**

Prontor Shutter 1 Speed: 1/250 to 1 sec. and B
**PW0200 $463.95**

Prontor Shutter 3 Speed: 1/125 to 1 sec. and B
**PW0300 $828.95**

**Aperture Setting Device**
The large scale extends over the top of the camera front permitting aperture setting from the rear of the camera.

| | | |
|---|---|---|
| For Prontor 0 Shutter | PW1001 | $187.95 |
| For Prontor 1 Shutter | PW1001 | $187.95 |
| For Prontor 3 Shutter | PW1031 | $164.95 |

**Time Setting Device**
Allows reading the exposure times from over the camera body and setting them from the rear. (Requires aperture setting device.)

| | | |
|---|---|---|
| For Prontor 0 Shutter | PW0102 | $163.95 |
| For Prontor 1 Shutter | PW0102 | $163.95 |
| For Prontor 3 Shutter | PW1032 | $222.95 |

**Remote Control Accessory**
This combination remote control/cable release lets you control your shutter from behind the camera.
**PW2000 $387.95**

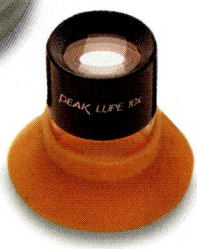
**Shutter Trade-Back Offer**
When you purchase a Prontor Shutter with a new lens, you will receive credit for the exchange of your Copal shutter. Credit will be applied directly toward your purchase. Call for details.

*For a Prontor technical brochure, please request literature #ZZPW000.*

# Large Format Accessories




A

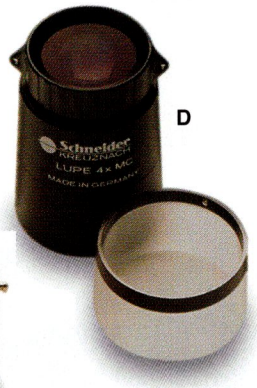



### Ⓐ Peak 4X Anastigmatic Lupe

This lupe is optically corrected, ensures edge-to-edge sharpness and allows you to observe the entire 58mm viewing area up to 1" from the eyepiece. Features dioptric adjustments, removable glass millimeter scale and clear barrel for illuminating opaque objects. Excellent for viewing ground glass and 35mm and 2¼" slides.
**PC1990 $169.95**

### Ⓑ Peak 10X Lupe

Features removable suction cup for attachment to ground glass for convenient focusing with any large format camera. **PC1993 $32.95**




D




C

### Schneider 6X, 8X and 10X Magnifiers

Provides high-powered viewing and focusing, maximum edge-to-edge sharpness and distortion-free color fidelity. Features black opaque barrels for ground glass focusing.

| | | |
|---|---|---|
| Ⓒ 6X | SC8060 | $179.95 |
| 8X | SC8080 | $189.95 |
| 10X | SC8100 | $269.95 |

### Ⓓ Schneider Universal 4X Magnifier

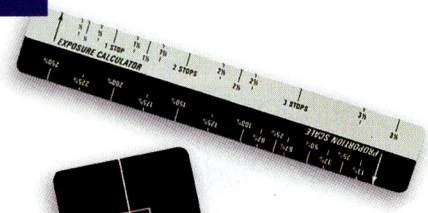
This high quality lupe features color-corrected and distortion-free West German optics. 4X Magnifier comes with interchangeable black opaque barrel for ground glass focusing and translucent barrel for viewing slides and prints.
**SC8040 $119.95**




E

### Ⓔ NPC ProLupe 5.5X

This magnifier with two-element glass optics, adjustable diopter, and rubber eyepiece allows a clear view of your ground glass or a full-frame view of a 35mm transparency. It's ideal for examining Polaroid test shots and contact sheets. Backed by a Lifetime warranty. **NP9807 $129.95**

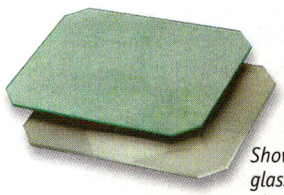






### Calumet Exposure Calculator

Our accurate calculator provides precise readings to within ⅓ f/stop in one step! Simply place the square chip onto the set you are photographing, compose and focus your camera and use the exposure scale strip to measure the chip from the ground glass. Direct readings and reproduction proportions for copy and stat work are provided instantly.
**CC9201 $6.95**



*Shown with glass cover plate.*

### Beattie Intenscreen Plus

Increases the relative brightness of the ground glass image 2 to 4 f/stops. Includes ¼" grid applique. For the following:

**4x5**

| | | |
|---|---|---|
| Cambo/Calumet | BT0052 | $199.95 |
| Horseman | BT0057 | $199.95 |
| Toyo | BT0125 | $199.95 |
| Sinar | BT0077 | $199.95 |

**8x10**

| | | |
|---|---|---|
| Cambo/Calumet | BT0105 | $229.95 |
| Horseman | BT0110 | $229.95 |
| Sinar (except MB) | BT0080 | $229.95 |

## Calumet Magnifiers Feature Rodenstock Optics!

### Ⓕ Calumet Focusing Magnifier

With 7X magnification, it's ideal for critical focusing on the ground glass or for viewing transparencies and negatives. Features dioptric adjustment and comes complete with opaque and clear barrels, neck strap and case.
**HR1000 $69.95**

### Ⓖ Calumet 6x Magnifier

Features twin lens construction for viewing an impressive 86mm diameter, or full 2¼ x 2¼" images. The barrel reverses easily from clear to opaque for viewing everything from contact prints to transparencies and negatives in the finest details. Neck strap included. **CC1005 $149.95**

### Ⓗ Calumet 4X Magnifier

With its aspheric, twin lens design, this 4x magnifier offers exceptional imaging quality, making it perfect for critical ground glass focusing.

Its 43mm image field diameter and integrated adjustable tube for darkening make it possible to switch from ground glass focusing to viewing a 35mm transparency at full size in one easy motion. Also adjusts for eyesight correction from -2 to .5 diopters for perfect sharpness. **CC1000 $109.95**




F




G

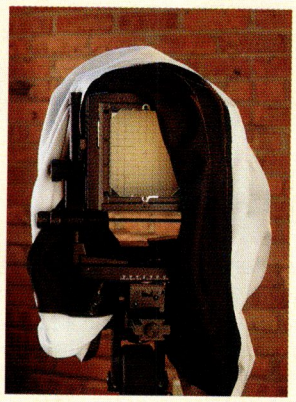



H




### Calumet 4x5 Ground Glass Protector

This convenient accessory guards against accidental ground glass breakage while transporting or storing your view camera. The Ground Glass Protector simply slides into your back like a sheet film holder and covers the glass from both sides. Invest now and save in the long run!
**CF9970 $14.95**



## Calumet Focusing Cloths

**"Non-Slip" Focusing Cloth**
This 36 x 53" black Duvetyn, flame-retardant cloth stays on the your camera and your shoulders! **PI1005 $13.95**

**Professional Focusing Cloth**
Black on the inside and white on the outside to reflect heat. 36 x 48". Made of cotton/polyester gaberdeen. **PI1010 $19.95**

**Field Focusing Cloth**
This 36 x 36" black, cotton/polyester gaberdeen, focusing cloth features Velcro fasteners to keep it secure on the camera. **PI1020 $24.95**

**Classic Focusing Cloth**
A full 48 x 58" for comfortable use on all view cameras up to 20 x 24" in format. The white outer construction is double knit polyester for maximum durability and dimensional stability. Twenty steel weights help hold cloth in place on a windy day. Navy blue exterior. **PI1015 $29.95**

**Silver Classic Focusing Cloth**
This lightweight, 1 lb. 12 oz. cloth measures 48 x 56". Outside silver fabric is a reinforced, tear-resistant mesh, inside is black polyester. Contains 16 steel weights for greater stability on a windy day. **PI1025 $29.95**

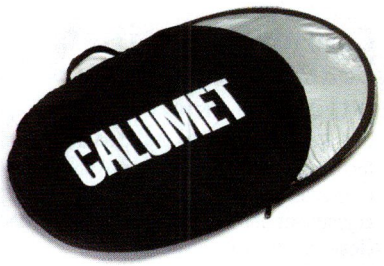


**CALL TOLL FREE!**
**1.888.888.9083**




*This spacious Changing Room collapses for easy storage.*

**It folds to 16x21x½" thick and weighs only 3.5 oz.!**




## NEW Calumet Film Changing Room

This self-contained structure sets up and collapses quickly and easily. Its unique, internal, four-ring frame allows your hands and arms to work freely. The reflective silver exterior keeps heat out, while the black interior creates a lightproof workspace safe for all film. Sleeves are conveniently positioned and long enough to ensure user comfort and light-tight protection for your film. When you're finished, the changing room stores in its own convenient carry pouch. It folds to 16 x 21 x .5" thick and weighs only 3.5 oz.Outside Dimensions: 16 x 21 x 16"
**RM1000 $79.95**

## Rodenstock Depth of Field Calculator

This handy little – pocket-sized! – tool is essential for those precision shots that require exacting depth of field settings and/or lens tilt and swing angles. Two calculators in one, the Rodenstock Depth of Field Calculator gives you the optimum f-stop more precisely than any of the tables or depth of field devices provided with some cameras. The Depth of Field Calculator can be used with all camera formats from 35mm up through 8 x 10". With the Lens Tilt and Swing Calculator, or Scheimpflug Calculator, you only have to focus your camera on two Scheimpflug points and set a few values on the calculator and it will provide the exact lens tilt/swing angle. Both calculators come with step-by-step, easy to follow instructions.
**RS7000 $34.95**

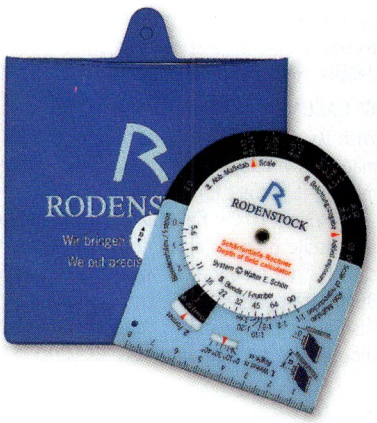


Photo by Phil Schaafsma




# Now in 6x4.5cm Format!



## Roll Film Convenience for 4x5

### Calumet C2N Roll Film Holders

The Calumet C2N Roll Film Holders have earned a place in the hearts of large format photographers for decades, and are often singled out as "the most valuable tool in my studio." These medium format roll film holders are available in three formats: 6x4.5 (2¼ x 1⅝"), 6x7cm (2¼ x 2¾") and 6x9cm (2¼ x 3¼").

**All models:**

- Can be used with any 4x5 view or field camera with spring loaded or Graflok back
- Slide easily into camera back like a sheet film holder without removing ground glass frame
- Offer an economical alternative to sheet film, especially when heavy bracketing is required
- Offer perspective controls in medium format with any focal length lens
- Constructed of rugged plastic housing and precision film advance/counter assembly
- Offer exceptional film flatness
- Accept both 120 and 220 film rolls

| | | |
|---|---|---|
| 6x4.5cm C2N Roll Film Holder | **CB5515** | **$449.95** |
| 6x7cm C2N Roll Film Holder | **CB5500** | **$449.95** |
| 6x9cm C2N Roll Film Holder | **CB5510** | **$449.95** |



### Horseman 4x5 International "Graflok" Roll Film Holders

Large format accessory roll film holders combine the creativity of view camera movements with the economy and convenience of roll film. These precision made backs are usable on any camera designed with the 4x5 Graflok locking system.

| | | |
|---|---|---|
| 6x7cm 120 | HR4637 | $449.95 |
| 6x7cm 220 | HR4639 | $449.95 |
| 6x9cm 120 | HR4634 | $449.95 |
| 6x9cm 220 | HR4638 | $449.95 |
| 6x12cm 120 | HR4630 | $849.95 |




### Kodak Readyload Packet Film Holder

The space-saving, packet film holder is lightweight, compact and can be used with any 4x5 camera. Accepts pre-loaded Kodak Readyload Packets which can be inserted into the holder in daylight — without disturbing the camera's focus or position.
**KK9346 $62.95**



### Fuji QuickLoad Film Holder

Rugged low-profile QuickLoad film holder makes large format location shoots a breeze. 4x5 single sheet enveloped film such as Fuji's QuickLoad takes up less space than double sheet film holders and minimizes dust problems. QuickLoad holder permits single-handed operation and provides superb film flatness. **FE1000 $129.95**




A

## It Pays to Proof!

### Polaroid 4x5 Film Holders

Because of the time and money that you invest in each large format shot, it pays to proof! Polaroid's instant print results will verify your variables immediately, without waiting for the lab.

**A 545i Pro Sheet Film Holder**
The advanced 545 ultimately saves you time and money with proofs that are consistent and representative of your scene! This newly-designed film holder automatically provides proper development timing for each type and piece of Polaroid film. It also adjusts development times to reflect slight changes in temperature and humidity and informs you about any exposure adjustments needed. This gives you a better speed to match to the Polaroid film in use. Accommodates film types 52, 53, 54, 55, 59, 72 and 79. Actual image size is 3½ x 4½". Allows user to change film types after each exposure.
**P05102 $199.95**

**550 Pack Film Holder**
Features larger image area (3½ x 4⅝") and lower film costs. Accepts types 553, 554 and 559 film packs. **P05500 $159.95**

**405 Pack Film Holder**
Uses economical film types 665, 667, 669 and other 10-exposure packs. 2.9 x 3.8" image area.
**P05000 $97.95**

Visit Us Online
www.calumetphoto.com
Your Photographic Resource is Open 24 Hours for Secure Ordering!



### Lisco Double Sheet Film Holders

If you want your film to be in focus and exposed as you shot it, use high-quality sheet film holders. With Lisco film holders, you won't be surprised by the unexpected. These fine holders feature:

- Guaranteed film flatness with a one-piece, solid aluminum plate core
- Light-proof, overlapping loading flaps
- Self-seating film guide, with no short-loading
- Shock-proof design

| | | | |
|---|---|---|---|
| 4x5 | LS4500 | $19.95 | 6 or more: $18.95 ea. |
| 5x7 | LS5700 | $32.95 | |
| 8x10 | LS8100 | $68.95 | 6 or more: $62.95 ea. |
| 2¼ x 3¼ | FI2300 | $27.95 | |

**Lisco Replacement Dark Slides**

| | | |
|---|---|---|
| For 4x5 | LS4505 | $6.95 |
| For 5x7 | LS5705 | $9.95 |
| For 8x10 | LS8105 | $13.95 |
| For 2¼ x 3¼ | LS2305 | $6.95 |

### Calumet 8x10 Instant Film Processor

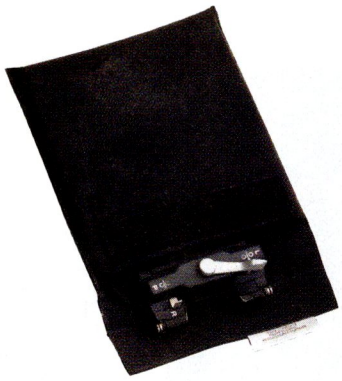
The Calumet 8x10 Instant Film Processor is truly a portable and affordable alternative that is ideal for image transfer.

- Proof 8x10 Polaroid anywhere indoors or out. A manual crank gently transports film across stainless steel rollers.
- Handles color, black-and-white and overhead transparency 8x10 Polaroid film.
- Weighs only 5½ lbs., which is 75% less than other processors.
- Rugged ABS plastic housing and convenient carrying handle make it easy to take anywhere. Folds to 4¾" (h) x 17" (l) x 12¾" (w).
- Easy setup, operation and maintenance.

Requires: Polaroid 8x10 Film Holder.
**PD0810 $549.95**

Polaroid 8x10 Film Holder 2.5 lbs.
**P06050 $184.95**

Polaroid Processor Package includes processor and film holder.
**PD0810K $649.95**



### Calumet Film Holder Pouch

Protects your accessories with ½" thick padding and Velcro flap closure. 11 x 9". **PI4000 $19.95**

### Polaroid 8x10 Processing System

Create on-the-spot color prints! Any 8x10 imaging system (view camera, slide printer, etc.) can be used to expose Polaroid 8x10 film. Requires 8x10 Film Holder, Loading Tray and 8x10 Film Processor.

| | | |
|---|---|---|
| 8x10 Film Processor | **P06005** | **$799.95** |
| Loading Tray | **P06100** | **$139.95** |
| 8x10 Film Holder | **P06050** | **$189.95** |



*Detail shot of Riteway's unique I.D. system built into light-trap flap.*

## With exclusive built-in ID system!

### Riteway 4x5 Sheet Film Holder

This double sheet film holder is more reliable and more valuable because of these exclusive features:

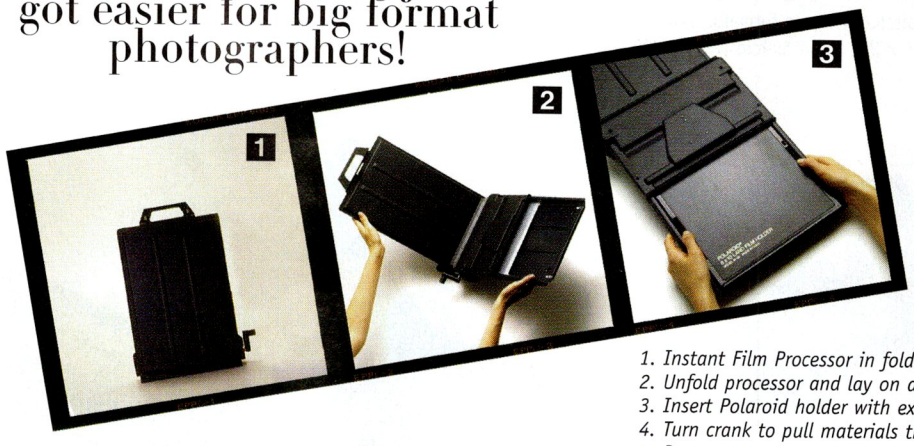
- Built-in "I.D. system" that numbers each film sheet (from 0 to 99) during exposure for easy referencing
- Exclusive auto-locking system to prevent accidental dark slide removal
- Patented hinge design keeps loading flap open by itself, leaving your finger free to check film seating
- Fits all 4x5 view cameras (except Linhof models)
- Unbreakable dark slide

**RW4500 $28.95 (6 or more: $26.95 ea.)**

**Riteway Replacement Dark Slide**

Misplace your dark slide? Don't fret, single slide replacements are available! **RW4505 $7.95**

## On-the-spot, on-location Polaroid proofing just got easier for big format photographers!




1. *Instant Film Processor in folded position.*
2. *Unfold processor and lay on a flat surface.*
3. *Insert Polaroid holder with exposed film.*
4. *Turn crank to pull materials through rollers*
5. *Remove processed film from processor.*
6. *Peel apart materials for finished print.*








*MBS Deluxe stand shown with single-action locking base and optional gear head and camera.*



*Close-up of one-touch locking pedal on single-action base (shown above).*




*Ball bearing arm provides extremely smooth movement and accurate camera positioning.*

## Top of its Class!

### MBS Deluxe Studio Stand

This heavy-duty, mid-sized, studio stand was designed originally to meet the unique demands of studio photographers shooting with digital cameras, yet it also represents an extremely rigid large format camera support with a somewhat smaller profile and price tag. The MBS Deluxe combines fluid-smooth, lateral movements; effortless, counter-weighted, height adjustments; and an oversized base for maximum support and stability. The net result is camera positioning that's easy as a breeze, and camera support that's solid as a rock!

Features unique to the MBS Deluxe include:

- A 39½" lateral crossarm which glides effortlessly from side-to-side on fluid-smooth ball bearings.
- Convenient calibration marks on the rounded square column and lateral crossarm ensure precise positioning and repeatability if reshoots are required!
- Its rock-solid, single-action, locking base offers extreme rigidity, balanced support and, at the same time, quick and easy repositioning.
- Solid support for most large format digital camera systems and view cameras up to 4x5.

The MBS Deluxe Studio Stand comes complete with column, Single-action Locking Base, crossarm and two ⅜" mounts*.

MBS Deluxe 7' Stand **CB1960 $2895.00**
MBS Deluxe 9' Stand **CB1964 $2995.00**

*The MBS Deluxe Studio Stand is also available with 3-way Locking Base. Call for details.*

### MBS Studio Stand

Designed specially for medium format and 4x5 view cameras, Cambo's mid-sized MBS studio stand moves with the same fluid grace as the MBS Deluxe stand. The MBS Studio Stand's 20" crossarm offers ball bearing, smooth lateral movement from side to side. An optional Rotary Base Adapter offers convenient 360° panning for quick change of shooting directions.

The MBS Stand comes complete with column, 3-way Locking Base, crossarm and two ⅜" mounts*.

MBS 7' Studio Stand **CB1950 $1999.00**
MBS 9' Studio Stand **CB1952 $2099.00**

**Rotary Base Adapter for MBS Studio Stand**
360° rotary adapter mounts between the column and the base, and locks and unlocks easily.
**CB2452 $249.95**

**MBS Accessory Tray**
The perfect way to keep all of your supplies within reach. This single platform tray mounts at center of crossarm to provide easy access.
**CB2426 $121.95**

** For maximum camera control, we recommend the use of an optional ball head or gear head.*

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*


Cambo
UBS Stand

# UBS Studio Stand

**"Cambo's UBS stands are incredibly sturdy and solid. The smooth movements are crucial when shooting with extremely sensitive and expensive digital camera backs. You don't want that kind of equipment bouncing all over the place. We tested other stands, but they didn't offer anything more than the UBS except for a bigger price tag."**

**Jim Guttosch,**
*Ambrosi and Associates*
Chicago, Illinois

For more Accessories see page 44

## The Best Investment You'll Ever Make!

If there is one item in a photo studio that most photographers would agree is simply indispensible, it would most likely be their studio stand. A good studio stand is an absolutely essential ingredient in today's successful studio.

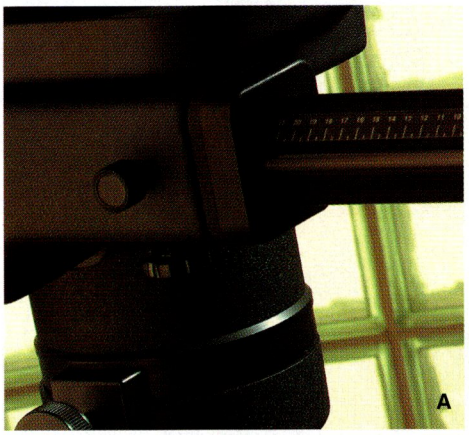
Not only does the studio stand provide the most rigid camera support for large format cameras, but, most importantly, it provides fluid-smooth and time-efficient camera positioning unparalleled by any tripod!

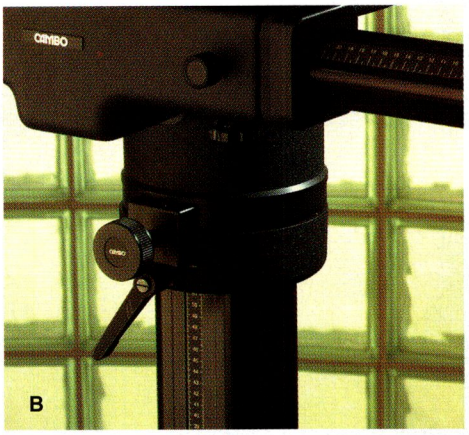
With a studio stand you can take your camera from floor to ceiling in seconds, from one end of the studio to the next in a matter of minutes, or to the exact same perspective you shot from two weeks ago in the blink of an eye. No other camera support is faster, easier or more precise than a good studio stand.

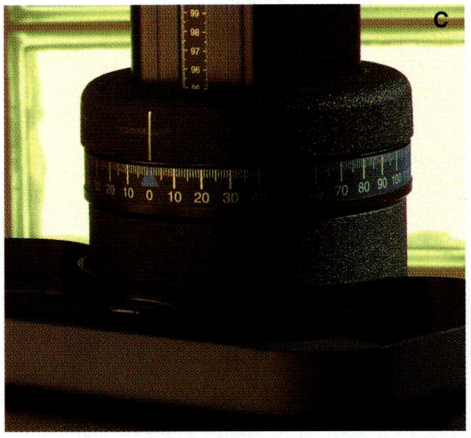
Cambo's studio stands have set the standards by which other studio stands have been measured for decades, and have earned their reputation as the best value in large format camera support systems. When you buy a Cambo stand, you'll get a return on your investment that will amaze you!

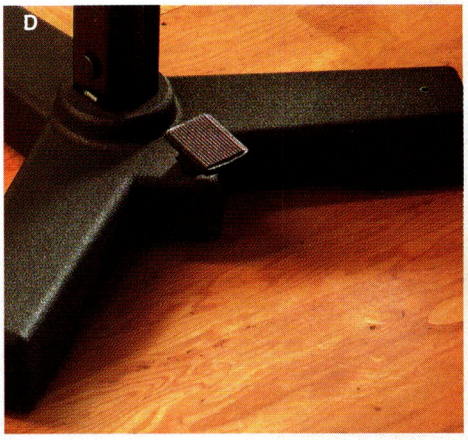
*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*

*Opposite page: UBS Stand shown with optional accessory tray, camera platform and Cambo Master pc Camera.*




## Smooth Ball Bearing Movements

### CAMBO UBS STUDIO STAND

Cambo's top-of-the-line UBS Studio Stand not only takes the effort out of large format studio photography, it makes it a pleasure. This heavy-duty stand, with its rigid, 4" square column, is smooth and easy to use, and will save you tons of time. The UBS offers these unique features:

**Ⓐ Ball Bearing Movements**
Lateral crossarm, rotating collar and height control movements each glide effortlessly on ball bearings at the touch of your fingertip.

**Ⓑ Fully Scaled Movements**
Precise positioning and realignment is assured to the millimeter on the column, lateral crossarm and rotating collar. Time and time again, the UBS stand delivers reliable and accurate movements that eliminate guesswork from studio set-ups. The rock-solid stability of the UBS stand makes it perfect for pinpoint-sharp time exposures and multiple flash exposures, and ideal for digital photography.

**Ⓒ Rotating Collar**
This unique panning movement built into the cross-arm assembly allows the camera and horizontal arm to be rotated from any height on the column. This makes panning control independent of vertical, or height adjustment control, adding precision to your camera-positioning capabilities.

*For a complete Cambo Stand Brochure, please request #ZZCB026*

**Ⓓ Choice of Two Caster Bases**
Choose from Cambo's Single Action Base, with its quick-release foot pedal, or the economical 3-Way Locking Caster Base. Both offer quick, smooth and easy repositioning of the studio stand and positive locking once you've found your spot.

**Full Accessory System**
As when buying any professional photographic tool, it's important to consider the accessory system that supports it. Cambo's commitment the studio photographer has taken this into consideration and, in the process, has produced a vast array of specialized camera supports, arm extensions and heads geared to meet all possible studio applications. *See page 44 for details.*

**Available in 7', 9' and 12'**
Choose the height to match your specific needs.

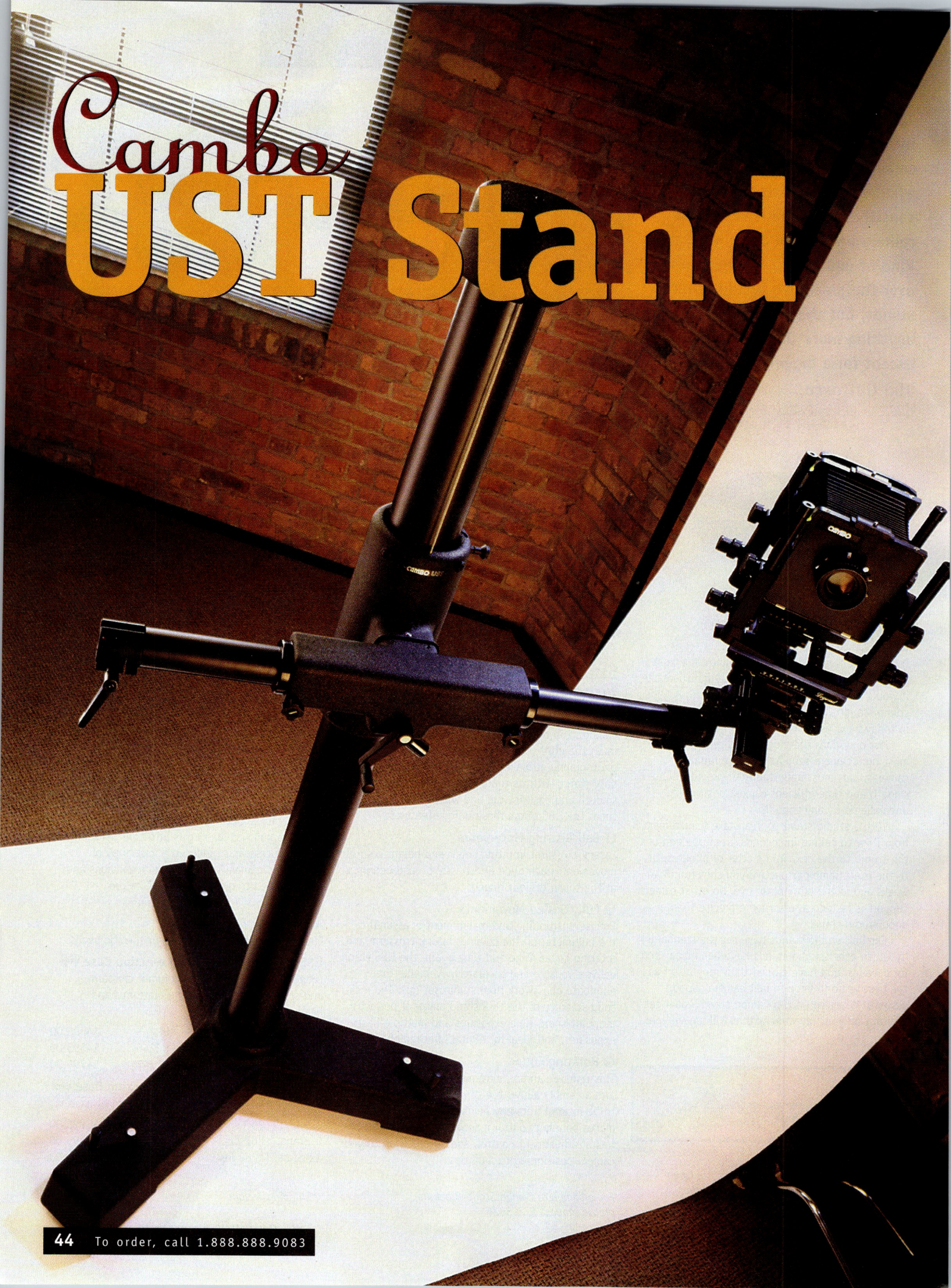
**UBS Studio Stands w/Single-Action Base**
(Pictured above.) Includes column, crossarm, and specified base. Mounting platforms and heads are not included.

| | | |
|---|---|---|
| 7' Stand (*250 lbs.) | CB2245 | $4395.00 |
| 9' Stand (*260 lbs.) | CB2246 | $4595.00 |
| 12' Stand (*280 lbs.) | CB2247 | $4795.00 |

**UBS Studio Stands w/3-Way Locking Base**
See page 135 for description and photo of base.

| | | |
|---|---|---|
| 7' Stand (*250 lbs.) | CB2240 | $3995.00 |
| 9' Stand (*260 lbs.) | CB2241 | $4195.00 |
| 12' Stand (*280 lbs.) | CB2242 | $4395.00 |

**Shipping Weight*



# Cambo UST Stand

# The Best Buy in Rock Solid Support

## UST-Deluxe Studio Stand

This classic Cambo studio stand is a mainstay in many of the country's finest photo studios. By far the best value available in a heavy-duty studio stand, the UST combines rock-solid construction with smooth, counter-balanced movements. Consider these UST features:

**Rigid Vertical Support**
A 4½" diameter aluminum column provides solid support, while counterbalanced height adjustments are quick and effortless. A built-in guide provides precise vertical camera movement.

**Smooth Lateral Shifts**
The UST's gear-driven crossarm travels 1½' in each direction, offering precise camera positioning.

**Exceptional Base-Support**
Cambo UST comes with the economical 3-Way Locking Base or the convenient Single-Action Base.

**Full Accessory System**
Cambo supports the UST studio stand with an extensive accessory system. Choose from a wide range of camera supports, extension tubes and heads geared to extending the conveniences of this amazing stand.

**Ⓐ UST-Deluxe Stands with 3-Way Locking Base**
Includes column, crossarm and base. Mounting platforms and heads are sold separately.

7' Stand (Ship wt: 250 lbs.)
**CB2350 $2795.00**

9' Stand (Ship wt: 260 lbs.)
**CB2352 $2995.00**

12' Stand (Ship wt: 280 lbs.)
**CB2354 $3195.00**

**UST-Deluxe Stands with Single-Action Base**
Includes column, crossarm and base. See page 37 for photo of Single-Action Base.

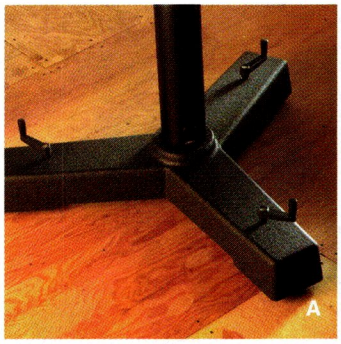
7' Stand (Ship wt: 250 lbs.)
**CB2360 $3195.00**

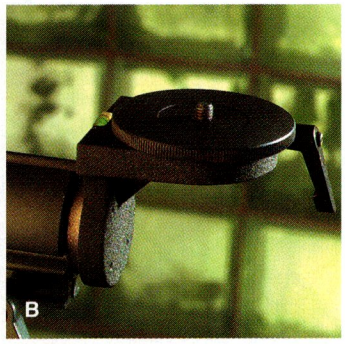
9' Stand (Ship wt: 260 lbs.)
**CB2362 $3395.00**

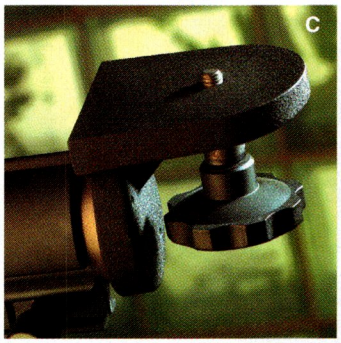
12' Stand (Ship wt: 280 lbs.)
**CB2364 $3595.00**

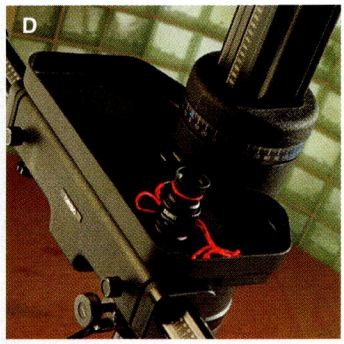
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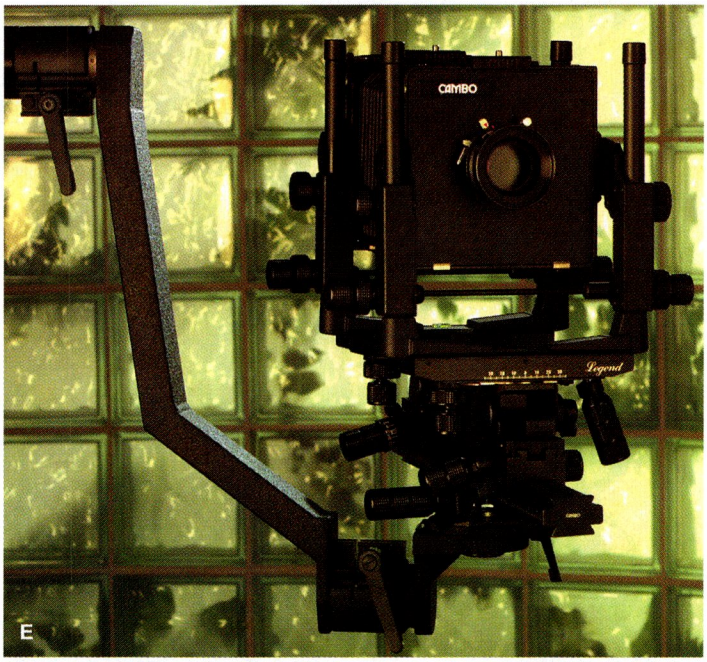
## UBS and UST Accessories



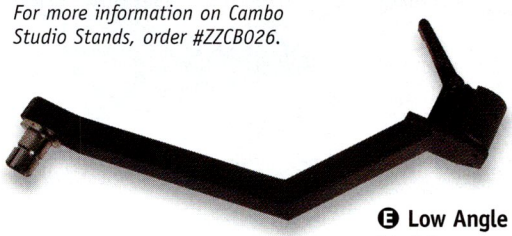



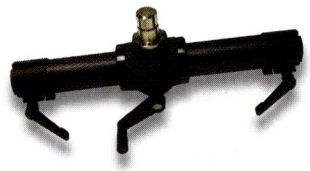

*For more information on Cambo Studio Stands, order #ZZCB026.*



**Ⓔ Low Angle Adapter Arm (U45)**
Ideal for ground level, low-angle shots. This rigid 24" arm accepts U9 or U29 platforms. **CB2645 $449.95**



**Extension Tube (U6)**
Adds 15½" to crossarm. Mounts directly into arm and accepts any camera platform. **CB2606 $349.95**



**Gear-Driven Extension Tube (U11)**
Adds up to 10½" to heights, or can be used horizontally.
**CB2611 $849.95**

**Ⓓ Accessory Tray (U5)**
Single platform tray mounts at center of crossarm to provide easy access.
**CB2430 $229.95**

**Balance Weights**
Place any or all of these four weights (3 lbs. each for a total of 12 lbs.) in special wells of the U50 Accessory Tray when using a light camera to balance the carriage.
**CB2432 $79.95**

**Ⓑ Rotating Camera Platform (U29)**
This right angle platform features a rotating platform (with ⅜" threaded mount) which makes mounting easy and convenient pan control.
**CB2529 $209.95**

**Ⓒ Right Angle Platform (U9)**
With ⅜" threaded fitting.
**CB2509 $159.95**



**Balancing Arm (U36)**
This gravity-defying extension arm features fluid-smooth horizontal axis movement that is perfectly balanced. Tilt to any angle and let go. Camera rests in the precise spot you leave it even before lock-down.
**CB2690 $299.95**



**Cambo 3D Gearhead (U19)**
Provides 140° of self-locking tilt, 90° forward and 50° back. 180° manual side-to-side tilt movement with adjustable resistance. (with ⅜" threaded mount.) **CB2725 $409.95**

*Opposite page: UST studio stand shown with optional camera platform and Legend camera.*

Exclusive Calumet

## The Support You Need at an Economical Price

### Calumet Monopro Studio Stand

This mid-size studio stand offers many advantages of a tripod, especially when it comes to rigid camera support and maneuverability for cameras up through medium format. Available in 7', 9' and 10' columns (7' shippable via UPS!), our Monopro stand is made of the same materials as stands selling for twice the price. Features include:

- The counter-balanced sliding collar provides unrestricted movement up and down and 360° around the column.
- Three swivel casters on a cast-iron base provide quick and easy repositioning and locking.
- The 2" diameter crossarm will support medium format and lightweight 4x5 view cameras.
- Includes a heavy-duty camera mount which can be positioned anywhere along the 26" arm. For extra support and control, we recommend ball head to mount your camera.

The Monopro comes complete with column, base, crossarm and camera mount with ⅜" thread.

Monopro 7' Studio Stand
**CC2007K $849.95**

Monopro 9' Studio Stand
**CC2009K $899.95**

Monopro 10' Studio Stand
**CC2012K $949.95**

### Monopro Camera Mounts

These single locking mounts firmly affixes cameras or ball heads directly to the Monopro crossarm.

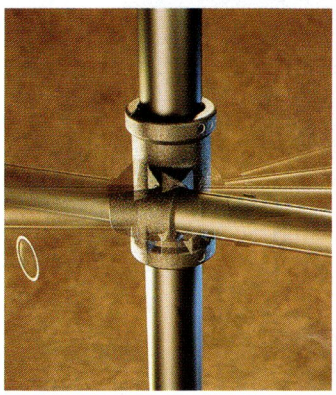
¼"-20 Camera Mount (E10)
**CB2500 $99.95**

⅜"-20 Camera Mount (E20)
**CB2505 $99.95**

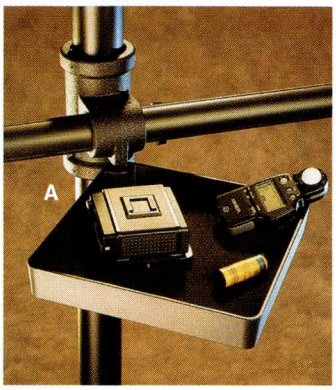
### Ⓐ Monopro Accessory Tray

Mount this single platform tray to your Monopro's column so you can have your Polaroid backs, lupes or film magazines ready for action.The length of the tray is 11".
**CC2020 $119.95**





*Monopro arm design allows full 360° rotation around the column.*




*Optional Accessory Tray makes it easy to keep meters and extra film holders at arms length.*



CALL TOLL FREE!
1.888.888.9083

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*







Exclusive Calumet

digital compatible

## Balcar's Premier Light Source

### Balcar Source

Today's top studio shooters require dependable power, precise and repeatable light output, and plenty of control. Balcar's Source delivers this and much more. With a choice of three different power packs, there is no shortage of power options: 1600, 3200 and 6400w/s. Source packs utilize the latest in electronic circuitry to deliver fast recycling with less current draw, precision 1/10-stop control, short flash durations and constant color temperatures. This system is built to provide years of dependable service, can be used anywhere in the world and is compatible with the ledendary Balcar light control accessory system.

Each Source pack offers:

- **Asymmetric power distribution** for ratioed lighting
- **Independent power control of each light head** and individual head triggers
- **Variable flash output** in 1/10-stop display matches digital meters
- **No amperage peaks** with constant AC household consumption
- **Digital photography friendly**
- **Flash durations as short as 1/2625 sec.**
- **Constant (±100 K) color temperature** over the highest 4.5 f/stops and reduced flash duration as the power is lowered
- **Five Model Lamp Modes:** 100%, Off, Independent, Auto (proportional with flash) and Automax (head with highest flash power is set at 100% with others in proportion)

Other conveniences include individual head and model lamp on/off, auto-voltage selection, variable charge rate, auto-capacitor dumping, unit trigger failure detection, built-in photo cell, and cooling fan. Balcar Source power packs are compatible with existing Balcar U and Power Z heads and the complete line of Balcar accessories.

| | | |
|---|---|---|
| Source 1600 3-Head Pack | **BF10252** | **$3795.00** |
| Source 3200 3-Head Pack | **BF10254** | **$4795.00** |
| Source 6400 4-Head Pack | **BF10255** | **$6295.00** |



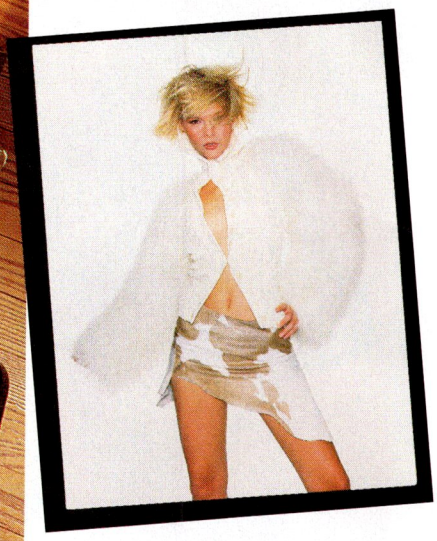
**"The controllability of the Balcar 6400 Source Pack and Heads and the reliable repeatability of its flash duration was incredible. There was no shift in color temperature whatsoever, and the exposure maintained its density throughout all 40 exposures."**

**Jorge Barba,**
*Barba Photography*
Reno, Nevada

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| Source 1600 | 1600w/s | 3 | Asym | 6.6-Stop Range | 1.7 sec. | 8 | 6 3/10 x 10 2/5 x 14 1/5" | 22 lbs. |
| Source 3200 | 3200w/s | 3 | Asym | 6.6-Stop Range | 3.4 sec. | 8 | 6 3/10 x 12 3/5 x 14 1/5" | 24 lbs. |
| Source 6400 | 6400w/s | 4 | Asym | 6.6-Stop Range | 7.2 sec. | 8 | 6 3/10 x 14 4/5 x 14 1/5" | 31 lbs. |




2 year Warranty



"Fast recycling time is an absolute must when shooting fashion. With the Jet, I can recycle to full power in just one second so I don't miss an expression. It also produces extremely short flash durations for stopping action and capturing that decisive moment. And all of this without sacrificing that critical color balance Balcar is so well known for."

**Douglas Dubler,**
*Fashion Photographer*
New York City, NY

## Stop Action in Its Tracks

Exclusive Calumet

### Balcar Jet System

Balcar's Jet 1600w/s and 3200w/s power packs were designed with action photography in mind. The Jet 1600's 1/2000 second flash duration and 1 second recycle time are just two reasons why sports and fashion photographers find them ideal for their work, be it on location or in the studio.

Jet packs utilize the basic circuitry as their Starflash predecessors, known for endurance and speed. Unique advanced Jet features include:

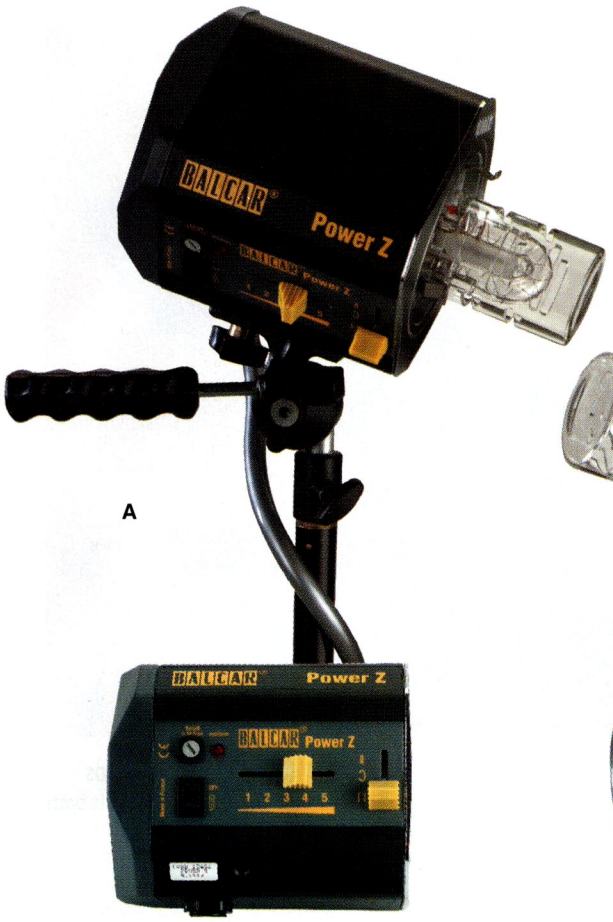
- Pinpoint power settings in 1/10-stop increments over four stops, which avoids multiple flash meter readings
- High recycle speeds with incredibly efficient amperage draw (see chart below)
- Automatic condensor discharge when power is lowered
- Syncro sequencing functions
- Five model lamp modes which can be set proportionally or independently
- Excellent voltage stabilization circuitry
- Safety features detect and alert you of misfire or overheating
- Built-in fans maximize interior air flow
- Rugged construction allows these packs to withstand the most intense work situations

Jet 1600w/s Power Pack
**BF10261 $2795.00**

Jet 3200w/s Power Pack
**BF10262 $3495.00**

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (Fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| 1600 | 1600w/s | 2 | Sym | 4-Stop Range | 1.0 sec. | 20 | 6⅓ x 12 x 9" | 15.4 lbs. |
| 3200 | 3200w/s | 2 | Sym | 4-Stop Range | 2.0 sec. | 20 | 6⅓ x 12 x 12½" | 21 lbs. |

# Balcar Heads










Exclusive Calumet

### Ⓐ Power Z Head

The newly designed Power Z Head has an improved three-position accessory holding system, an overheat detection system and a model lamp on/off switch. It provides smooth light angle control from under 50° to over 120° (accessory reflectors can take the range from 20 to 180°), and convenient f/stop control. Its unique light assembly movement provides full use of Balcar faceted reflectors and extremely even light distribution in each position. As an added convenience, reflectors can be rotated and locked into any position desired – ideal for soft box use.

These fan-cooled heads are capable of extremely short flash durations by virtue of their U-shaped flash tubes with polarized electrodes and large contacts. This design also increases the tube's life span and places the optical center of the model lamp as close as possible to the flash tube's optical center for optimum alignment of the two. The Power Z Head is equipped with a long flash tube and a 250w model lamp. A second flash tube (not included) can be fitted to the head, significantly reducing flash duration and extending the life span of each tube.

Power Z Head includes a removable pan/tilt mount and a 7" FX60 facetted reflector. For tube and lamp protection and for color temperature (K) adjustments, interchangeable Pyrex shells are available in different degrees K. The Power Z light heads are compatible with any Balcar power pack, old or new, except the P4 system. Size: $4^{9}/_{10}$ x $4^{9}/_{10}$ x $8^{7}/_{10}$." Weight: 5.3 lbs. **BF10651LS $899.95**

### Ⓑ U Head

This small, lightweight head features improved design and technology to increase its endurance. With its built-in 3" parabolic inner reflector and removable 7" FX60 facetted reflector, this compact "universal head" offers extremely efficient and even light output up to 3200w/s with the standard long flash tube.

Like the Power Z, the fan-cooled U head can produce short flash durations thanks to its U-shaped flash tube with polarized electrodes and large contacts. A 250w model lamp is standard but a 500w lamp is an option. A removable pan/tilt mount holds head steady and yet allows for quick, smooth repositioning up or down, right or left. Interchangeable Pyrex shells provide protection for the tube and lamp, and are available in different degrees of color correction (UV absorption). These heads are also compatible with all Balcar packs, except for the P4. Size: $4^{1}/_{2}$ x $4^{1}/_{2}$ x $6^{7}/_{10}$". Weight: 3.7 lbs. **BF10501LS $799.95**

### 6400w/s Bi-Tube U and Z Heads

If you need twice as much power, the Power Z and U heads are available with Bi-Tube designs. The Bi-Tube heads connect two cables to two flash tubes, increasing the light output from 3200 to 6400w/s. Note: Long L-HD flash tubes must be used with powers higher than 3200w/s due to heat discharged by flash tube. For lower powers, the short S-STD flash tubes reduce flash duration.

U Bi-Tube Head **BF10505LH $1495.00**

Power Z Bi-Tube Head **BF10655LH $1449.00**




### Ⓒ Pencil Light

This bare bulb light head produces 360° of lighting with sharp shadows. Because it has no built-in reflector, it is small and easy to set up in places too tight for standard heads. In a small white studio, the Pencil Light creates a lovely natural sunlight quality. It does not need a fan because its front is a thermo resistant molded ceramic base. The Pencil Light also is used with the LFX Ringlight. Model lamp power is limited to a maximum of 250w while an overheat detector prevents heat damage. Size: $2^{2}/_{5}$ x $2^{2}/_{5}$ x $7^{9}/_{10}$". Weight 2.6 lbs. **BF10567LS $599.95**

*For a complete listing of Balcar system accessories, see pages 52 and 53.*

# Location Shooter's Dream Lighting System!

## Balcar Concept P4 System

Whether you shoot architectural interiors, industrial locations or just about anything on the road, you're sure to appreciate all that the P4 System has to offer. It combines the portability and economic advantages of a monolight system with the power and centralized control of a power supply system.

By putting the power in the light heads and the output controls in a "control pack," the P4 offers utmost flexibility and efficiency. Power is added to the system by simply adding light heads: 1600w/s from each head, up to four heads (6400w/s) per control pack — without adding an ounce to the weight of the pack, and minimizing the weight of the system (approximately 6 lbs. per light head). This means you only take the power that you need to the job, with no excess baggage. And, because the power is in the heads, there is no loss of power when the job requires long extension cables.



*Photo by Charlie Mayer*

**"The Balcar P4 is at least half the weight of other packs with double the power. I can turn each head down individually without looking at the pack to figure out what's going on. It's simple — turn each head down at the head individually and then turn it down even more with the pack for finer power increments. It's endless what you can do with the power. With the P4 you don't have to compromise on anything."**

**Charlie Mayer,**
*Commercial Photographer*
Chicago, Illinois




## Concept P4 Control Pack

The heart of the P4 system, this centralized "control pack," with digital micro-processor design, allows you to adjust power levels precisely and repeatably to each head — individually or combined — in 1/10-stop increments over a 5-stop range. This means you can change lighting ratios or maintain existing ratios at different power levels without budging or rearranging power plugs.

When you shoot with fractional power, the P4 randomly selects capacitors to charge, spreading out the work and assuring a faster flash duration than conventional packs that partially charge all their capacitors for fractional power.

The P4 also features low voltage draw, a major benefit to location shooters. Consider 6400w/s with just 6 amps! Consider these other P4 features:

- Accepts four PS-Z4 or Z4 heads: 1600w/s each, 6400w/s total!
- Precision click-stop controls with LED display
- Multi-mode modeling controls: proportional, full and "Auto Max," which sets the modeling lamp level of the head with the highest setting at max. and ratios the other lamps accordingly.
- Auto-voltage selection from 90 to 260V (50/60 Hz) for use anywhere in the world.
- Constant amperage draw during recycle.

The Concept P4 control pack weighs only 11.8 lbs., measures 6 3/10 x 12 x 7", and includes power, sync cords. **BF10451 $2195.00**

P4 Pack w/two Z2 Heads **BF10451K1 $2995.00**
P4 Pack w/two Z4 Heads **BF10451K2 $3295.00**

*See pages 53-55 for accessories.*

## NEW Concept Z4 and Z2 Flash Heads

These unique flash heads are compatible with both the Concept P4 and Concept B3 systems, giving you a choice between AC operation for the studio and battery operation for location. With built-in capacitors, these heads offer the efficiency of a monolight system with the centralized control of a power pack system. Both heads feature metal construction and improved accessory mounting.

### Concept Z4 Flash Head

This 1600w/s focusing flash head allows you to adjust the angle of light from 45 to 120° (using the FX60 reflector). Additional output control is available with a full/1/2-power switch which cuts power to half the capacitors and dropping power to 800w/s. The Z4 measures 5(w) x 5(h) x 11 9/10"(l) and weighs 9.4 lbs. Includes flash tube, 150w model lamp, clear Pyrex lamp protector, pan/tilt and FX60 facet reflector.
**BF10416 $1299.00**

### Concept Z2 Flash Heads

The 800w/s Z2 is a cost-effective fan-cooled standard flash head offering increased efficiency and portablility. It measures 5(w) x 5(h) x 9 1/2"(l) and weighs 7.3 lbs. Includes flash tube, 150w model lamp, clear Pyrex lamp protector, pan/tilt and FX60 facet reflector. **BF10414 $999.95**

2 year Warranty

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (Fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| P4 | 6400w/s | 4 | Sym/Asym | 4-Stop Range | 1 sec. | 8 | 7 x 12 x 6 3/10" | 11.8 lbs. |

# Balcar Concept B3




2 year Warranty




*Photo by John Beckett*

## The Ultimate Location Flash System!

### Concept B3 Battery Power Supply

No outlet? No problem! We are proud to introduce the ultimate lighting system for location photographers: Balcar's Concept B3. This new power supply is the only portable battery system that produces 4800 watt- seconds of controllable power wherever your assignment takes you. The B3 makes even the toughest location shooting scenarios a breeze. Imagine being "AC free" for fashion shots on the beach, overhead industrial images from a catwalk, architectural images from a sidewalk, portraits in a botanical garden, product shots on a bridge . . . the possibilities are endless.

Unlike other systems, the Concept B3 does not require generators which tend to raise serious safety issues. Instead, the high-capacity B3 can be recharged in just two hours to power a 1600w/s Concept Z4 head 250 times! And the recycling time is fast – 3.5 seconds for 1600w/s. For precise control, power is adjustable in 1/10-stop increments over a 4-stop range with asymmetrical and independent head control.

The optional Rapid Battery Charger, an important part of the system, fully recharges a battery within two hours and can also be used as an AC adapter (between 80 and 260 V). Battery level is indicated by a four segment LED. The B3 is compatible with the new Concept Z2 and Z4 flash heads and can be adapted to earlier model PS-Z1 and PS-Z4 flash heads. **BF10452 $1895.00**

**1600w/s Kit**
B3 with Charger and two Z2 heads
**BF10452K1 $4195.00**

**3200w/s Kit**
B3 with Charger and two Z4 heads
**BF10452K2 $4795.00**

Rapid Battery Charger **BF10453 $699.95**

### Concept Z2 and Z4 Flash Heads

The 800w/s Z2 and 1600w/s Z4 Flash Heads are compatible with both AC or battery operation. Complete with built-in capacitors, both heads feature strong construction, independent test buttons, fan-cooling, simplified accessory mounts and increased efficiency. Both heads come with flash tube, 150w model lamp, clear Pyrex lamp protector, pan/tilt and FX60 facet reflector.

**Concept Z2 Flash Head**
This cost effective flash head offers 800w/s of power but does not have focusing capabilities.
**BF10414 $999.95**

**Concept Z4 Flash Head**
The flash tube/model lamp/Pyrex assembly slides on a metal guide to modify the angle lit when using a reflector or to control the hot spot inside a light box. This efficient design can yield an extra f/stop when properly positioned within the accessory. **BF10416 $1299.00**




*See pages 53-55 for accessories.*

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Number of Flashes (per charge) | Size | Weight |
|---|---|---|---|---|---|---|---|---|
| Concept B3 | 4800w/s | 3 | Asymmetrical | 4-Stop Range | 3.5 sec. | 250 | 6 3/10 x 7 1/2 x 12" | 19.5 lbs. |

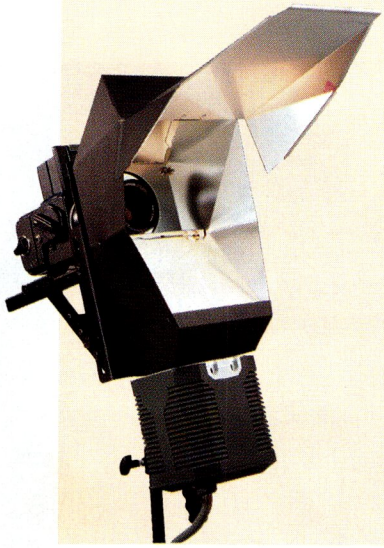
| Flash Head | Total Power | Flash Duration | Color Temperature | Modeling Lamp | Angle of Coverage | Size | Weight |
|---|---|---|---|---|---|---|---|
| Concept Z2 | 800w/s | 1/1800 | 5250 - 5700 K | 150w | — | 5 x 5 x 9 1/2" | 7.3 lbs. |
| Concept Z4 | 1600w/s | 1/1500 | 5300 - 5850 K | 150w | 45 – 120°* | 5 x 5 x 12" | 7.3 lbs. |

* *With FX60 reflector.*



* *With FX60 reflector.*

Exclusive Calumet



### Suavissimo Reflector

Ideal for portraiture and still life, the Suavissimo Reflector converts a standard Balcar Light Head or Monobloc into a shoot-through light box, producing effects similar to a ring light. The Suavissimo sets the light source perpendicular below the camera lens. A diffusing glass redirects the light into the set of mirrored reflecting panels that in turn, wrap the light around the subject. Because the reflecting panels are movable, you can control the shadows falling behind the subject. This accessory creates lively ring light effects on closeup portraits but is best for shiny, black objects found in still life photography. It's an ideal solution for subjects needing on-axis lighting without the loss of color saturation or detail.
**BF20628 $699.95**

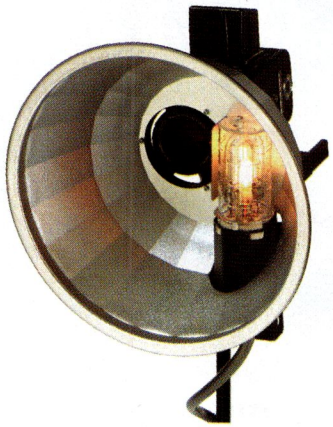
**Suavissimo Reflector Pkg.**
Includes reflector and camera mounting bracket. **BF20628K $899.95**

### LFX Ring Light

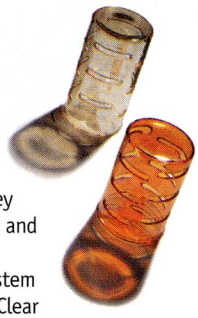
With all of the efficiency and homogeneity of the LFX 20 Reflector, this new and improved Ring Light is used with the optional Pencil Light. The light head is inserted into the opening on the side, while the back of the reflector has a hole for the lens. Light bounces off the sides of the facetted reflector and radiates out from around the lens to the subject similar to a traditional ring light. However, unlike other ring lights, the Pencil Light can be adjusted to eliminated shadows around the subject.
**BF20627 $479.95**

**Accessories**

| | | |
|---|---|---|
| Bracket for Ring Light and Suavissimo | BF20629 | $279.95 |
| LFX Umbrella Reflector | BF20604 | $79.95 |
| Replacement AC Power Cord | BF30509 | $34.95 |
| 15' Sync Cord | BF30511 | $31.95 |
| Coiled PC Cord w/Gold Contact | BF30516 | $39.95 |
| 250w Model Lamp | BF30409 | $42.95 |
| 150w Model Lamp | BF30410 | $37.95 |
| 300w Model Lamp | BF30431 | $39.95 |
| 500w Model Lamp | BF30432 | $49.95 |



## Miscellaneous Balcar Accessories



### Pyrex Shells

These interchangeable shells not only protect the flash tube and modeling light, they also provide a practical and economical color temperature control system for Balcar light heads. Clear shell is UV-absorbing for soft boxes. Yellow/Gold shell is for 5250 K from direct source or umbrellas. Amber shell is for 3200 K flash.

**Pyrex Shells for Z Heads (54 x 100mm)**

| | | |
|---|---|---|
| Clear | BF30420 | $74.95 |
| Yellow/Gold | BF30421 | $119.95 |
| Amber | BF30422 | $149.95 |

**Pyrex Shells for U, PS-U Heads, Pencil Light and Monoblocs (54 x 80mm)**

| | | |
|---|---|---|
| Clear | BF30428 | $59.95 |
| Yellow/Gold | BF30429 | $99.95 |
| Amber | BF30430 | $134.95 |

### Flash Tubes for Current Z and U Heads

| | | |
|---|---|---|
| Long Standard Tube (3200w/s) | BF30453 | $229.95 |
| Short Standard Tube (3200w/s) | BF30454 | $229.95 |
| Long Heavy-duty Tube (4800w/s) | BF30455 | $299.95 |



### Grid Spots

Offer contrast control by simply reducing angle of light: the tighter the angle, the higher the contrast. Black grids for sharp edges. Each set includes case.

**7" (18cm) Black Grid Spot Set**
Four grids: 10°, 20°, 30°, 40°
**BF20501 $209.95**

**7" (18cm) Set of Three Grids**
20°, 30°, 40° **BF20500 $149.95**

**12" (30cm) Black Grid Spot Set**
Three grids: 20°, 30°, 40°
**BF20520 $259.95**

### Barn Doors

Four reversible black/metallic flaps. Accepts filters and grid spots. Mounts to reflector.

**Standard Barn Door**
Fits all 7" (18cm) reflectors
**BF20345 $189.95**



### Facetted Reflectors

Unique facetted design produces efficient, extremely even light without hot spots. 7" models fit older Balcar Heads.

**FX 60 7" Reflector**
Z range — 50 - 120°,
U range — 60°.
**BF20621 $74.95**

**LFX 20 12" Reflector**
Z range — 20 - 40°,
U range — 30°.
**BF20625 $189.95**

**LFX Reflector Intensifier**
Z range — 15 - 30°,
U range — 20°.
**BF20626 $79.95**

**LFX 20 Reflector w/Intensifier**
**BF20624 $259.95**

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### Light Head Extensions

13' Extension
(U, Z Heads, Pencil Light, Bi-Tube)
**BF30502 $149.95**

16' Extension
(PSU, PSZ, Z2/Z4 Heads, )
**BF10406 $145.95**

25' Extension
(U, Z Heads, Pencil Light, Bi-Tube)
**BF30504 $199.95**

### Filters

Available in colors (red, blue, green, magenta, cyan, yellow, orange), UV, N.D., warming, cooling and FLD.

Round 7" Filter (7" reflector)
**Specify Type $24.95**

Square 7" Filter (standard barn door)
**Specify Type $34.95**

**Pan/Tilt Handle Mount**

Standard on Balcar Light Heads, with easy one-hand controls.
**BF30601 $89.95**

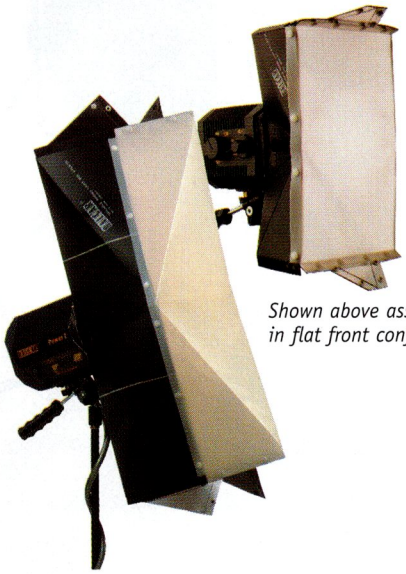
*For complete listing of Balcar Umbrellas, see page 100.*

# Balcar System Accessories



## Rocket Concentrator

Described as a "true light cannon," Balcar's new Rocket Concentrator attachment transforms any Balcar Z or U Light Head into an efficient spot, fresnel or fiber optics system. The Rocket Spot mixes the light perfectly to render it even and homogenous. Requires a Fresnel/Focusing Spot Assembly or Microlite Assembly.
**BF30100 $299.95**



*Shown above assembled in flat front configuration*

## Prisma Light Boxes

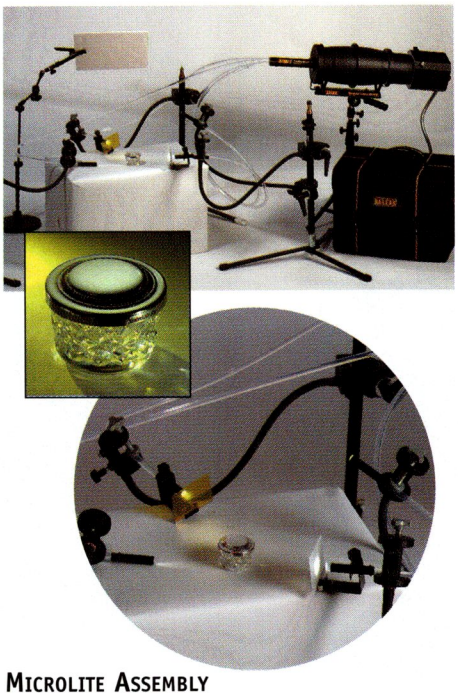
The distinctly unique shape of the Prisma Light Box offers more light efficiency, versatility and control than flat, rectangular soft boxes.

Prisma Lights are constructed of semi-rigid diffusing and reflecting panels which are bent and assembled together with snap-buttons. They are efficient and homogeneous, transmitting more than 80% of the light. They're also lightweight, anti-static, washable, UV absorbing and perfect for location work.

Their prismatic, 3-D shape reduces light fall-off since each facet lights a different direction. They actually become three-lights-in-one, with a facet on the subject, one on the background and one on a reflecting panel. To control fall-off, simply tilt the unit. Thanks to a slight hot-spot at the center, you can achieve a good balance between diffused shadows and sharp detail, and between soft reflections and high color saturation.

**V-PLB Prisma Light Boxes**

| | | |
|---|---|---|
| V-PLB 30 (12 x 7 x 4") | **BF20815** | **$179.95** |
| V-PLB 65 (26 x 12 x 8") | **BF20816** | **$239.95** |
| V-PLB 110 (43 x 14 x 6") | **BF20817** | **$269.95** |



## Microlite Assembly

A must for lighting objects measuring less than 2". The Microlite attachment features four connecting fibers which yield an f/stop of f/64 at 2" for 1600w/s. Assembly includes four flex arms, four microsnoots, two filter holders with diffusers, set of seven color filters, assorted clamps and a Universal bag. **BF30111 $1495.00**



*Fresnel/Focusing Spot shown with required Rocket Concentrator.*

## Fresnel/Focusing Spot Assembly

The Rocket mounted with the Fresnel lens can project a shape or produce a concentration of light from as small as 8" in diameter at 12", to as large as 17' in diameter at 10' (in the flood position). The focusing spot, with its 90mm 3-element lens, projects a diameter of light as small as ⅜" at a distance of 12", and as large as 6⅗' from 10'. It's perfect for projecting shapes, masks or even images from film formats up to 6x6cm. The support which holds the masks in place can be rotated on two axis to obtain a sharp focus whatever the angle of the spot, compared to the projected plane.

Spot Assembly includes spot adapter with object support, 90mm 3-element lens, Fresnel lens, adapter plate for lens, 35mm slide holder, set of seven color filters, four double masks and Universal bag. **BF30101 $1695.00**



## Opalite 2

Ideal for still lifes and portrait hair lights. The Opalite, similar to, but smaller than the Diamond Box, is a round 19" reflector with a removable deflector in front of the flash tube. When the deflector is in place, the light is spread out towards the edges of the reflector, creating a soft, indirect light that is still highly efficient. With the deflector removed, it produces a sharp shadow behind the subject.

The Opalite is most often used close to the subject, producing soft shadows and transparent reflections. When used with an umbrella, it becomes an efficient focusing light. Includes front diffuser. **BF20611 $319.95**

**Opalite Accessories**

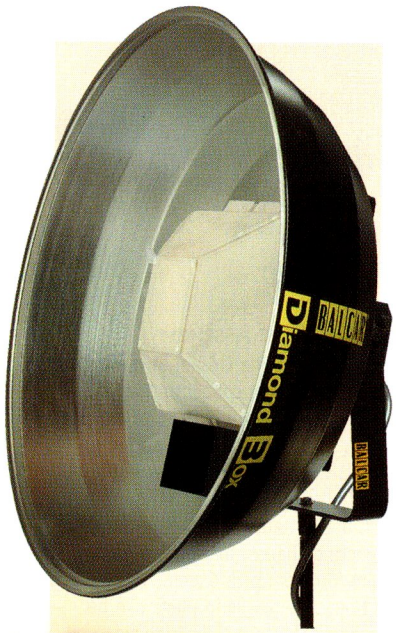
| | | |
|---|---|---|
| 40° Grid Spot | **BF20504** | **$129.95** |
| 30° Grid Spot | **BF20505** | **$139.95** |
| 20° Grid Spot | **BF20506** | **$149.95** |

2 year Warranty




## Opalite 3

This extremely efficient facetted reflector produces an effect similar to that of a large, directional theatrical Fresnel. It is a very sufficient and even light source which is maximized to its most versatile potential when used with a Z Head. By using the 20, 30 or 40° grid spots, the angle lit can be reduced while maintaining the size of the light source. To convert the Opalite into a round light box which can be used very close to the subject, a large diffuser may be placed over the entire reflector. To create the effect of a huge ring light, simply place five Opalites in a circle with the camera in the middle.
**BF20711 $299.95**




## Diamond Box

This "beauty light" accessory combines the efficiency of direct light with the softness of diffused light. The Diamond Box offers a great deal of light control from a single source, producing only one shadow. It consists of a round, 31" diameter, spun-aluminum reflector with a smaller, dome diffuser positioned in the middle, directly over the light source. This design spreads the light over the entire reflective surface, creating a homogeneous and extremely even light source.

To increase shadow sharpness and color saturation, simply remove the diffuser's front panel. For shadowless ring light effects with beautiful catch lights, a camera opening is provided below the central diffuser. For increased diffusion, add an optional face diffuser to the front of the reflector. Its adjustable yoke mounts directly to a light stand, boom or rail system.

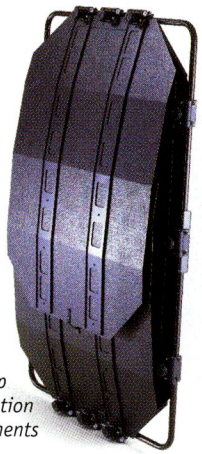
**BF20631 $869.95**

Round Front Diffuser
**BF20852 $59.95**



**CALL TOLL FREE!**
**1.888.888.9083**

*Exclusive* Calumet



*Folds up for location assignments*

## Super Diamond Box

This large "variable contrast" directional unit offers unprecedented light control for full-length fashion shots by combining diffused and direct light effects. It accepts two flash heads – one above and one below the lens opening – which are placed behind translucid dome diffusers. The result is a light that is both soft and directional over a large surface area. Unique gradation effects can be created by adjusting the power output of each head. Shadows, highlights and color saturation can be controlled by removing the front of the dome diffuser. Four adjustable reflectors allow you to wrap light around the subject, change the size of the light and change the top-to-bottom light distribution. The Super Diamond Box can also be used as a semi-diffused light next to the camera. Location shooters will appreciate the fact that this unit folds down to a portable size. **BF20632 $1695.00**

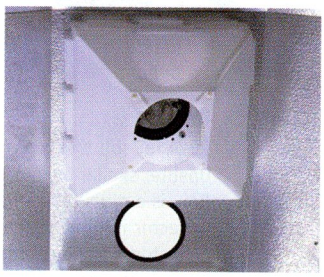
**Dimensions:**
70 (h) x 117 (l) x 20cm (d)
2.3' (h) x 3.8' (l) x 8" (d)

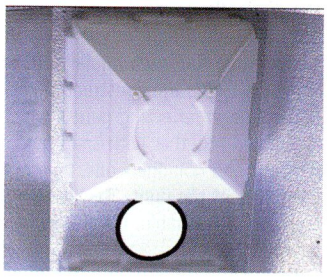
**Light Output:**
f/32 5/10* (dome closed)
f/45* (both domes open)

** Measured at 2m (6.6') with one Jet pack (1600 Ws) at full power using two heads and 100 ISO film.*




*Shown with optional support equipment*





*Center of diffusion dome is removable for shadow control. (The opening below is for the camera lens.)*

| Diamond Box (20631) | Angle | f-stop 1m/3.3' | f-stop 3m/10 | Compared/top configuration |
|---|---|---|---|---|
| with inner diffuser closed | 70° | f/64 4/10 | f/22 3/10 | – |
| with inner diffuser open | 40° | f/90 1/10 | f/32 | + 7/10 |
| with large supple diffuser | 80° | f/45 9/10 | f/16 8/10 | + 5/10 |
| with 40° Grid | 40° | f/45 8/10 | f/16 7/10 | - 6/10 |

# Calumet Traveller Plus

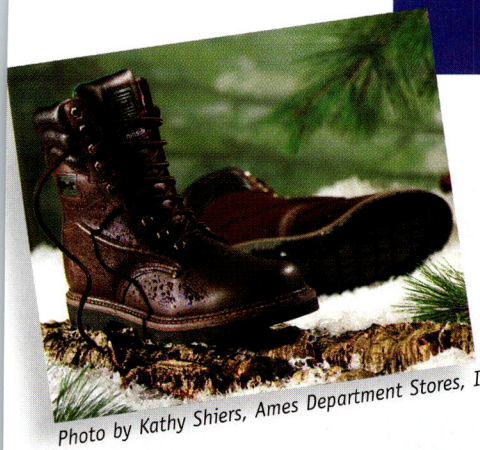


Photo by Kathy Shiers, Ames Department Stores, Inc.

**"Quality, consistent light and color output are essential in our use with digital-capture equipment. After testing many other strobes, the Traveller Plus met all of our studio criteria and accomplished it with value. After more than one year of intensive use, our 30+ Traveller Systems perform as precisely as the computers and seasoned pros they assist."**

**Bruce Fleahman,**
**Photo Director**
*Ames Department Stores, Inc.*
Rocky Hill, Connecticut




## Top Choice for Critical Lighting!

Exclusive Calumet

### Traveller Plus Flash System

This uniquely dynamic flash system combines all of the top priorities of today's commercial shooter. Power, portability, precision control and dependability! Whether you demand pure power for your large format film, lighting finesse for your complex location shoots, or consistent power performance for your digital imaging system, your options are covered with the Traveller Plus System.

At the heart of this versatile flash system you'll find a choice of two distinctly different, yet compatible 3000w/s power packs: the 3000A and 3000S. The 3000A specializes in variable flash output controllability and sophisticated operating options. The 3000S is designed as a studio workhorse and high performance flash. Pick the one that most matches your specific flash needs.

Both Traveller Plus packs share these impressive features:

- Stable output and consistent color temperature, a must for digital work.
- The simple, yet sophisticated control panel: power up or down, intermittent or continuous modeling, fast/slow recycling and photo-slave.
- Thermostatic fan automatically keeps packs cool, especially during heavy use.
- Voltage automatically adjusts to any electrical current in the world, from 95 - 250V, 50/60Hz. This is not only ideal for international travel, but for any location assignment with inconsistent power.
- Both packs feature full modeling light control with power options and automatic power dump of full to 1/8th power in 8 seconds.
- Backed by two-year warranty.

### Traveller Plus 3000A Pack

With its ability to independently control the power output of each head, the 3000A is extremely popular a wide range of studio and location shooters.

For the ultimate in control, the 3000A offers power output selection to a single head from 125w/s increments in 1/3 of a stop. Or, the power can be divided evenly over the entire range between two or three heads for unlimited output control.

The 3000A's AMF sync capability provides multiple flashes during a single exposure: simply trip the shutter and the flash will fire repeatedly until the shutter is closed. An optional remote control operates the full functions of up to six packs independently. With its optional car battery adapter, the 3000A is ready to hit the road.

The 3000A includes sync, AMF sync and power cords.

**CE2940 $2599.00**

### Traveller Plus 3000S Pack

For those who want maximum power from a single head or are looking for an auxiliary power pack, the 3000S just the ticket. This pack offers power up or down, symmetric or asymmetric distribution, intermittent or continuous modeling, fast/slow recycling and slave on/off. Power can be controlled from a full 3000w/s down to 1/8th in 1/3-stop increments.

The 3000S includes sync cord and power cord.

**CE2941 $1495.00**

### System Accessories



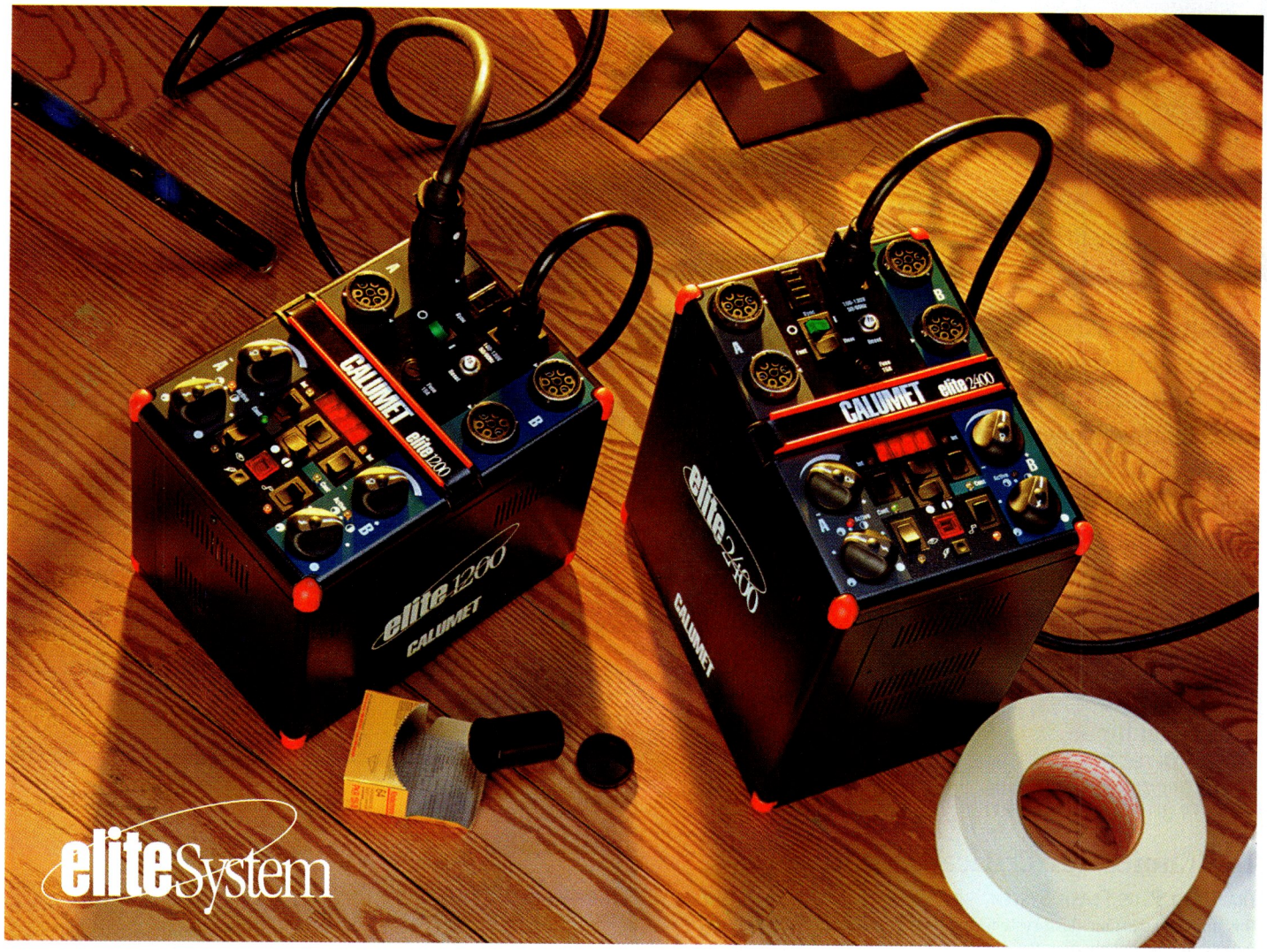
Infrared Remote Control Transmitter for 3000A
**CE2905 $299.95**

Car Battery Adapter for 3000A
**CE2906 $899.95**

Sync cord for 3000A and 3000S; 13' long, 1/4" diameter **CE1821 $27.95**

Sync cord extension for 3000A and 3000S; 20' long, 1/4" diameter
**CE1822 $27.95**

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (Fast) | Size (w x l x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| 3000A | 3000w/s | 3 | Sym/Asym | 4.5-Stop Range | 3.5 sec. | 13.5 | 5½ x 12½ x 11" | 23 lbs. |
| 3000S | 3000w/s | 3 | Symmetric | 4.5-Stop Range | 3.5 sec. | 13.5 | 5½ x 12½ x 11" | 22 lbs. |




## For Studio or Location!

### Elite Power Packs

Calumet's Elite Flash System is a portable power pack system built to handle the full spectrum of professional commercial applications, from location to production photography. When you meet the Elite, you'll immediately be struck by how incredibly compact the system is, yet it delivers amazing amounts of power and controllability:

- The Elite 2400 supplies 2400w/s but measures just 6½ x 9 x 10½" and weighs only 18½ lbs.
- The Elite 1200 produces 1200w/s of power in a compact 6½ x 9 x 8" case (smaller than a car battery!) and weighs at 13¼ lbs.
- Elite packs feature four head outlets which can be arranged as two channels providing symmetric or asymmetric power distribution with the flip of a switch instead of unplugging heads.
- Each pack is equipped with a three-way power switching system that can be combined or isolated to deliver power selections of 600, 1200 or 2400w/s on the Elite 2400 or 300, 600 or 1200w/s on the Elite 1200.
- If you need more flexibility, each channel has a power-level variator which provides continuous output control over an unprecedented 6-stop range. For the Elite 2400, that's a range from 37w/s all the way to the full 2400w/s.
- Both packs offer fast recycling: the 2400 returns to full power in 1.7 seconds while the 1200 pack recycles to full in under 1 second.
- To lower amperage draw, the Elite's recycling powers can be reduced with the "fast/slow" switch.
- Innovative circular flash head sockets feature positive, easy-to-operate locking rings with non-arcing alignment pins to ensure that flash head connections stay secure. Fast, safe disconnection is still possible while the pack is on.
- The 2400 model's thermostatically-controlled fan automatically cools the pack for safe operation.
- The modeling lamps are bright continuously or dimmed intermittently during flashes.
- Other conveniences include a 100% audible "ready" signal, bright digital display and retractable handle for portable packing.

Elite 1200w/s Power Pack **BW7200** **$995.00**
Elite 2400w/s Power Pack **BW7210** **$1595.00**

*For a free Elite Brochure, ask for ZZBW015.*

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| Elite 1200 | 1200w/s | 4 | Sym/Asym | 6-Stop Range | .97 sec. | 12 | 9 x 6½ x 8" | 13¼ lbs. |
| Elite 2400 | 2400w/s | 4 | Sym/Asym | 6-Stop Range | 1.7 sec. | 16.7 | 9 x 6½ x 10½" | 18½ lbs. |

# Calumet Elite Heads

## 100% customer satisfaction

Each Elite pack and flash head is backed by a two-year parts and labor warranty. In the unlikely event that something should happen to your system, we'll repair it within 48 hours and send it back to you via the same shipping method you've sent it to us. No hassles. Just fast, friendly service.

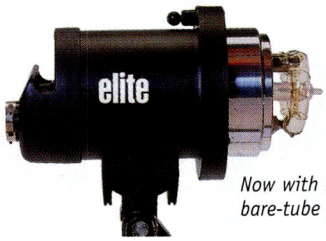
2 year Warranty




*Elite Flash Head shown here with new style Umbrella Reflector (included with head).*

eliteHeads






*Now with new bare-tube design!*

## New Bare-Tube Design & Flexible Cable!

### Elite Flash Head

The sleekly-designed Elite flash head is only 3½" in diameter, 8½" long and weighs a mere 1¾ lbs.! But don't let its size fool you: the Elite flash head delivers a full 2400w/s of efficient power and contains an internal cooling fan! Its ultra-compact size and new bare-tube design is perfect for a portable location kit and easy to position in the studio as well.

The small UV-coated flash tube is specially-designed to deliver short flash duration with high-output efficiency. Its new bare-tube design offers increased efficiency, especially with soft boxes. In the event that the tube is damaged, you can replace it in seconds to avoid any downtime during your shooting schedule.

The Elite head also includes a convenient umbrella mount and a pan-tilt stand adapter for fine movements and adjustments. The 16½' silicon connecting cable offers the convenience of maximum flexibility and it disconnects quickly from the head for space-efficient storage and travel.

Even though the Elite represents the latest generation of Calumet Flash, it is integrally linked to our full system of reflectors and flash head accessories.



**Elite UV Flash Head Complete**
Includes head, flash tube, 250w modeling lamp, 16½' cable, 6" Umbrella Reflector and protective cap. **BW7223 $429.95**

**Cover Glass Kit**
Includes clear, UV and frosted cover glass and mounting clips.
**BW7235 $99.95**

**Series-2 Head Adapter**
Allows you to use all Calumet Series-2 Flash Heads on Elite packs.
**BW7230 $199.95**

10 Meter Head Cable
**BW7225 $199.95**
15' 3-blade Household to PC Cord
**BW1824 $19.95**

## Money-Saving Elite Flash Packages

**Elite 1200w/s Umbrella Package**
Includes Elite 1200 pack, two Elite heads, two Calumet 45" soft bounce umbrellas, two 7' light stands, the Universal two-head case and two-year parts and labor warranty on Elite equipment. **BW7200K $1995.00**

**Elite 2400w/s Umbrella Package**
Includes Elite 2400 pack, two Elite heads, two Calumet 45" soft bounce umbrellas, two 7' light stands, the Elite four-head system case and two-year parts and labor warranty on Elite equipment.
**BW7210K $2395.00**

*See page 59 for accessories.*



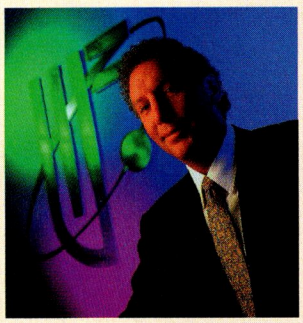


*Photo by Bobbi Lane*

**"The Elite is the only pack that lets me dial a 3-stop difference from one channel to the other. This incredible flexibility is the handiest feature I've ever had! It's especially crucial when shooting on white backgrounds. All I do is dial in the exact 1-stop difference between my subject and the sweep and the background stays white."**



**Bobbi Lane,**
*Commercial Photographer*
Los Angeles, CA






*Built-in Iris Control shown at left.*

## Create Theatrical Lighting Effects for Portraits, Still Lifes or Interiors!

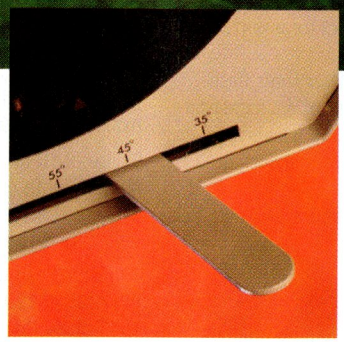
### Calumet Fresnels Spots

"Hollywood" lighting has experienced a dramatic comeback recently and Calumet offers several options for you to adapt your lighting system to this popular and creative trend. Whether you are shooting portraits, large products or small tabletop product shots, you'll find all sorts of uses for these unique lighting tools:

- Recreate the look of sunlight
- Offers soft, gradual and natural fall-off of light
- Adjustable angle control makes it practical for use on small subjects or as a background light.

### Universal Fresnel Spot

This adjustable fresnel spot accepts all Calumet Standard flash heads as well as most other popular flash heads. If you're searching for a new and different lighting style for your portraits or still lifes, you may have just found it with this versatile Fresnel Spot. Simply mount your standard flash head inside this vented metal housing with the appropriate flash head adapter (see listings) and it projects a strong, clear beam through a 12" glass fresnel lens with angle-adjustments (from 4" to 14" at 10")! Measures 15 x 15 x 12" and features adjustable-angle yoke with 1⅛" mount. Requires flash head adapter. **CE2365 $949.95**




*Make easy beam angle adjustments.*

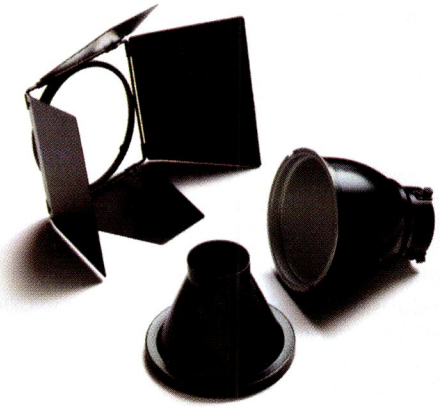
### Fresnel Spot Flash Head Adapters

| | | |
|---|---|---|
| For Calumet Series-2 and Traveller Heads | CE2384 | $49.95 |
| For Speedotron | CE2388 | $79.95 |
| For Dyna-Lite | CE2389 | $79.95 |
| For Comet | CE2390 | $79.95 |
| For Balcar | CE2386 | $79.95 |
| For Norman Type 1 | CE2387 | $79.95 |

2 year Warranty

### Compact Fresnel Spot

Designed specially for Calumet and Bowens Flash Heads, the Compact Fresnel Spot projects a clean, crisp beam of light, similar to that of natural sunlight. This compact, vented housing features a 6" glass fresnel lens, adjustable beam-angle control and a tilting light stand mount. Filters can be attached to the front of the fresnel for additional lighting effects. Flash head mounts directly to the Compact Fresnel Spot, without requiring an adapter, and is easily adjustable with its built-in iris control. adjust the diameter of its projected beam. Can also be used with Calumet Travelites. Provides similar light quality as Universal Fresnel Spot but with smaller dimensions. Excellent for location interiors! **CE2914 $519.95**



### Calumet Lighting Specialty Kit

Just what you need for flexible directional control and creative color filtration. This kit includes a 4-way barn door, 4" snoot cone (15°) and 7"deep reflector. Combine gels and grids to open a whole range of lighting possibilities. Grids and gels are available separately. Adaptable to Travelite and all Calumet Series 2 flash heads. **BW1882 $139.95**

## Calumet Reflectors, Grids & Barn Doors

These light control reflectors feature bayonet-type mounts for quick, positive mounting and removal on Calumet's Series-2 and Traveller Flash Heads, unless otherwise indicated. These innovative accessories offer studio and location shooters alike a comprehensive system of tools to handle any lighting situation they are likely to encounter.



**6" Umbrella Reflector (120°)**
Polished chrome surface for efficient distribution of reflected umbrella light. Fitted with an umbrella attachment bracket. Can also be used as a compact direct light reflector. For Calumet Travelites and Bowens Prolites. (Pictured above)
**CE1885 $49.95**

**6" Reflector (120°)**
Can be used as a direct light reflector or as an umbrella reflector with flash heads that have a built-in umbrella holder in mounting bracket (Traveller and Calumet Series-2 Flash Heads). **CE18850 $49.95**






**4" Snoot Cone (15°)**
Delivers controlled light to limited area. Perfect as a hair light or dramatic accent light.
**CE1888 $79.95**



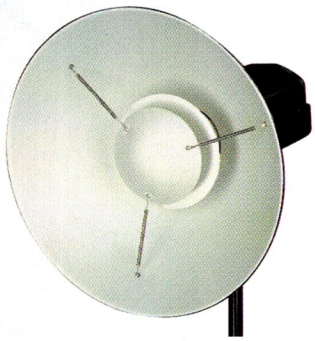
**8" Reflector (60°)**
Pebbled surface provides uniform light perfect for large areas from confined distances.
**CE1887 $59.95**



**4-Way Barn Door w/Gel Holder**
For 8" Reflector. Adds directional and light fall off control as well as the ability to gel light with a wide choice of color filters (not included).
**CE2363 $199.95**



**Back-lite Reflector**
The unusual shape of this reflector produces an oval light patch creating a natural vignette on the background. Features an 8 x 12" elliptical shape with matte white finish which produces soft light with gradual fall-off. **CE2560 $149.95**



**15" Soft-lite Reflector (79°)**
Brushed metallic surface parabolic reflector with attached silver diffusing cone in the center which bounces light from source into the reflector to produce a soft, uniform light for portraits or products.
**CE1899 $139.95**



**Front Diffuser/Grid for Soft-lite**
This unique accessory combines two types of direct light modifiers: a diffuser with a ⅛" (30°) grid. The net result when mounted onto the front of the 15" Soft-lite Reflector (after first removing the diffuser cone) is a central pool of bright light surrounded by a large area of softer light, ideal for enhancing portraits or products. The grid can be removed, for greater contrast, and replaced with other 7" grids.
**CE1866 $189.95**

## Package Savings

**Soft-lite Diffuser and Reflector Package**
Includes 15" Soft-lite Reflector and Front Diffuser/Grid.
**CE1870 $299.95**

Exclusive Calumet



**9½" Reflector (50°)**
Its polished chrome surface delivers most efficient light to subject.
**CE1886 $59.95**

Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686



**7" Deep Reflector**
A good, general purpose direct reflector with efficient pebble finish. Accepts optional 7" honeycomb grids for additional control of light spread.
**CE18630 $69.95**



**Grid Set for 7" Reflector**
Designed to fit Calumet 7" Reflector as well as 7" Comet, Speedotron and Balcar reflectors. Includes three grids. **CE18640 $124.95**

## Package Savings

**7" Deep Reflector w/Grid Set**
Efficient pebble finish. Grids allow complete control of light. Creates confined, intense light perfect for products accents or hair lights.
**CE18650 $179.95**

# Profoto On The Go

## Acute Power Packs

Lightweight, small sophisticated, the Acute is the ideal portable power system for photographers who work on location. The Acute is designed for the traveling photographer who requires a compact unit which can be packed easily, and take the rough handling encountered during transport. The Acute is also is an economical unit for photographers just getting started with professional lighting systems. It shares the same reflectors and offers the same light quality for which Profoto is renowned the world over.

The Acute is available in two power classes: 1200w/s and 2400w/s. The 2400 has a flash duration range of 1/160 to 1/800 of a second, while the 1200w/s unit has a flash duration range of 1/300 to 1/1400 of a second. With only a slight manual adjustment, the system can be connected to all electrical outlets with voltage between 90 and 240 V, 50 to 60Hz for use anywhere in the world. The power can be distributed both symmetrically and asymmetrically to the three lamp outlets and the total power is adjustable with a bracketing dial.

The Acute has an internal diagnostic system which senses any possible over-heating and regulates the recharging times accordingly. Up to two Acute 2400 generators can be run from a single isolated 15 Amp circuit running at 110w. Acute packs includes sync cable and AC cable.

**Acute 12**
1200w/s pack. **PF0400 $1199.00**

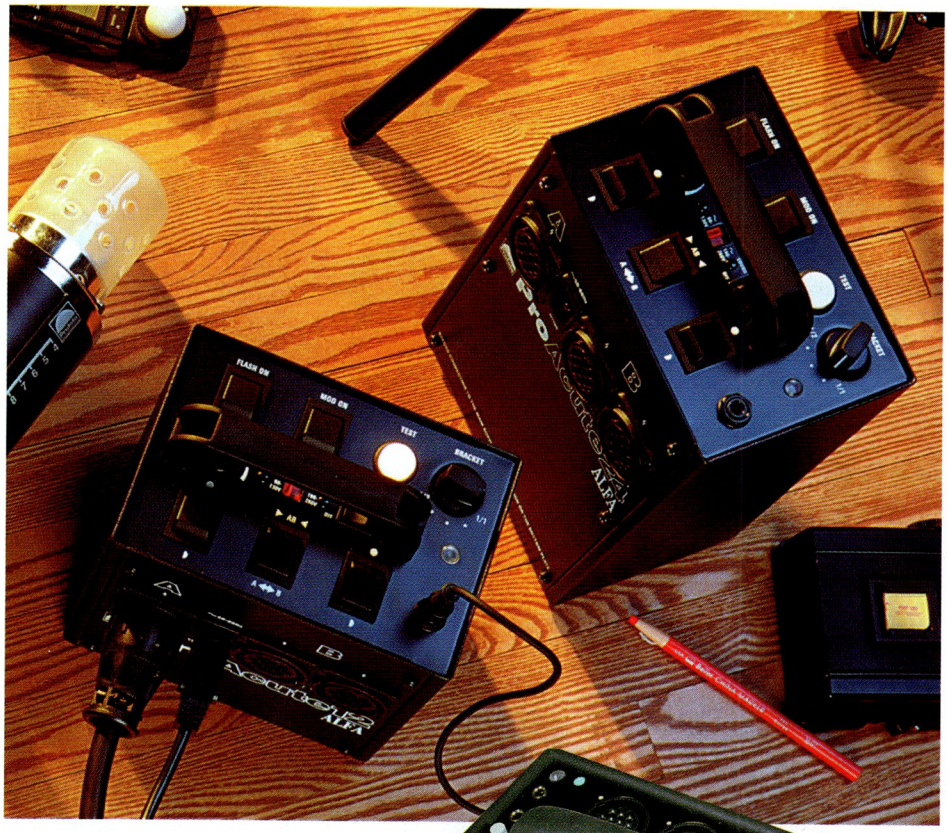
**Acute 24**
2400w/s pack. **PF0402 $1699.00**



## Acute Head (AB)

This fan cooled head includes a UV-coated flash tube, 100w tungsten lamp, disc reflector, stand adapter and 16' lamp cable. **PF0406 $629.00**

**Acute Head Special (ABS)**
Includes UV-coated flash tube, glass cover, 150w halogen lamp, zoom reflector, stand adapter and 16' lamp cable. **PF0408 $789.95**



## Pro-7 Power Packs

With extremely short flash duration and speedy recycling, the Pro-7 packs are especially well-suited for fast action photography.

- Short flash durations from 1/1000 sec. at full power to 1/7500 sec. at low power.
- Constant color temperature throughout entire power range, from full to 1/16 power.
- Auto-bracketing: three-exposure bracketing can be varied in 1/3-, 1/2- or 2/3-stop increments.
- Asymmetrical energy output: Three flash head sockets divided into two groups, the ratio between them can be varied up to 3-stops.
- Automatic voltage-sensor for worldwide use automatically senses which voltage is supplied from AC line and adjusts accordingly.

Pro-7 also features include built-in photocell, double sync sockets, under-exposure warning tone and 2-year warranty. Packs include sync cord and power cable.

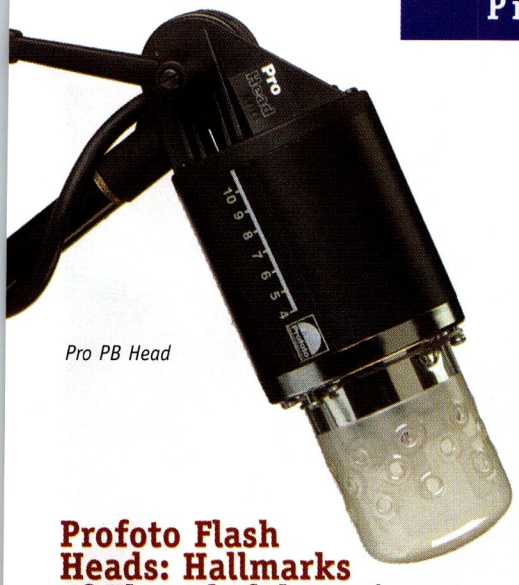
Pro-7A 1200 Power Pack **PF0120 $4795.00**

Pro-7A 2400 Power Pack **PF0122 $5695.00**




Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| Acute 12 | 1200w/s | 3 | Sym/Asym | 4-Stop Range | 0.3 – 1.7 sec. | 7 | 7½" x 5" x 8⅔" | 9 lbs. |
| Acute 24 | 2400w/s | 3 | Sym/Asym | 4-Stop Range | 0.6 – 3.5 sec. | 7 | 7½" x 5" x 12" | 13 lbs. |
| Pro-7 2400 | 2400w/s | 3 | Sym/Asym | 6-Stop Range | 1.8 sec. | 15 | 6¼ x 9½ x 15¼" | 27 lbs. |
| Pro-7 1200 | 1200w/s | 2 | Sym/Asym | 6-Stop Range | 0.9 sec. | 15 | 6¼ x 9½ x 12" | 20 lbs. |



*Pro PB Head*

## Profoto Flash Heads: Hallmarks of Thoughtful Design

As other aspects of Profoto's equipment line keep pace with new technologies, their flash head design maintains many of the convenient features that have made Profoto so popular among commercial shooters for years. The 100mm diameter tube, which allows easy fixation and zoomable reflectors, and the enclosing glass cover are hallmarks of Profoto design. This thoughtful design consideration assures system continuity and means that accessories are never out-dated.

### The Pro 7 and Pro Twin Flash Heads

These fan-cooled heads offer the user a choice of thermostatically-controlled fan operation or can be switched on for non-stop cooling. Both heads have umbrella insertion sockets and 11'7" cables. Optional frosted glass covers are available in lower, neutral or higher color temperature coatings.

**Pro 7 Head**

2400w/s rating includes uncoated flash tube, UV-coated frosted glass cover, 250w halogen modeling lamp, zoom reflector, protective cap and stand adapter. **PF0250 $1249.00**

Repl. 250w EHT Modeling Lamp **WIEHT $19.95**

**Pro 7 Twin Head (TB)**

4800w/s rating includes two uncoated flash tubes, UV-coated frosted glass cover, 500w halogen modeling lamp, Magnum Reflector, protective cap and stand adapter. **PF0252 $1999.00**

Repl. 500w EVR Modeling Lamp **WIEVR $21.95**




### Pro Stick P7S

A small, compact flash head that can be set up in a minimal space, or easily hidden behind the subject. Equipped with a glass cover that encloses both the flash tube and modeling lamp to provide identical light characteristics. Inludes uncoated flash tube, UV-coated frosted glass cover, 250w halogen modeling lamp, protective cap, ball socket and 11'7" cable. **PF0206 $929.95**

### Profoto Spotlights

Profoto offers three different spotlights, each designed to simulate direct sunlight, but each with its own unique character and form. Only the ProFresnel may be used with the Pro Daylight lamp head.

**ProZoom Spotlight**

The ProZoom is an ellipzoid spotlight, similar to those found in stage lighting. This sharp, condenser-lensed controlled light is widely used for projection of patterns and simulation of sunlight. It is fitted with four shutter blades and accepts an iris diaphragm among other accessories. Includes pattern holder and PinSpot set. **PF1306 $2869.00**

**ProFocus Spotlight**

Sharper than the ProZoom Spotlight, the ProFocus is ideal for projecting slides and providing fringeless light. Fitted with a 150mm f/2.8 lens, unit includes shutter blades, pattern holder and PinSpot set of six different size openings. Optional slide holders are available (see below). **PF1308 $2549.00**

**Accessories**

Adjustable Iris Diaphragm for ProZoom and ProFocus Spotlights **PF1316 $258.00**

Pattern Holder for ProZoom and ProFocus Spotlights **PF1318 $47.49**

23x36mm Slide Holder for ProFocus Spotlight **PF1310 $129.95**

6x6cm Slide Holder for ProFocus Spotlight **PF1312 $129.95**

Heat absorbing filter (must be used when projecting slides) **PF1314 $369.95**

### Pro 7 Ring

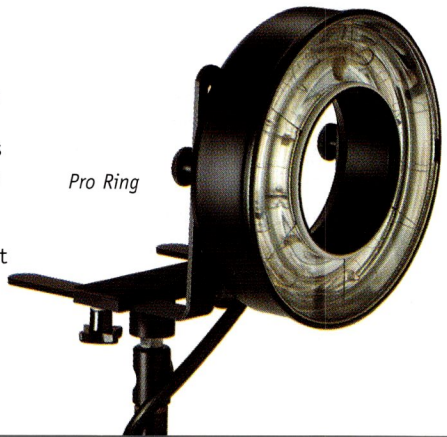
This "around-the-lens" light source gives a distinct focused light, and yet has the versatility to compress or stretch out the tonal range of a given subject, produce hot highlights, compressed shadows and three-dimensional modeling. Popular as a single-source light by fashion photographers and as a fill or supplement to daylight.

For a softer light with fewer sharp shadows, an optional soft-light reflector can be added to enlarge the light source. Supplemented by a close-up reflector, it concentrates the light to 50cm in front of the camera.

Pro Ring includes UV-coated flash tube, adjustable light stand/camera holder bracket, 11'7" cable. **PF0254 $995.00**

Pro Ring Softlight Reflector **PF1152 $258.00**

Pro Ring Closeup Reflector **PF1200 $258.00**



*Pro Ring*

**ProFresnel**

Redefines the classic "fresnel" look. Pro heads mount through the rear of the unit and area of coverage is changed via sliding "zoom" head design. Used with the ProDaylight 1200 HMI, the ProFresnel is an inexpensive way of obtaining the classic "Hollywood" effect.
**PF1302 $1410.00**

Four-leaf Barn Door for ProFresnel Spotlight
**PF1304 $323.00**

### Accessories for Profoto Lampheads

| | | |
|---|---|---|
| Close-up Reflector for ProRing | PF1200 | $258.00 |
| Softlight Reflector for ProRing | PF1152 | $258.00 |
| Repl. Flash Tube for Pro Head | PF1500 | $278.95 |
| Repl. Flash Tube for Acute Head | PF1506 | $289.00 |
| Glass Cover (Clear) | PF1600 | $93.95 |
| Glass Cover (UV) | PF1602 | $104.95 |
| Glass Cover Frosted | PF1604 | $99.95 |
| Glass Cover Frosted (UV) | PF1606 | $117.95 |
| Glass Cover Frosted (UV, -300 K) | PF1608 | $126.95 |
| Plastic Cap for Pro Head | PF0412 | $11.95 |
| Aluminum Cap for Pro Head | PF0302 | $65.95 |
| 5m Lamp Head Extension Cable | PF0306 | $201.95 |
| 10m Lamp Head Extension Cable | PF0308 | $263.95 |
| 5m Acute Lamp Head Extension Cable | PF0410 | $173.95 |

### Reflectors, Barn Doors & Snoots

**Magnum Reflector (50°)**
Accepts Honeycomb grids. **PF1122 $186.95**

**Pro Disc Reflector PF1099 $59.49**

**Zoom Reflector (65 - 100°)**
Works with umbrellas. Is included with flash head purchase. **PF1102 $93.95**

**7" Grid Reflector PF1100 $93.95**

**Narrow-Beam Reflector (32°)**
**PF1124 $192.95**

**ProTube**
For tighter, hotter light. **PF1128 $319.95**

**Silver Softlight Reflector**
Focused light with soft shadows. **PF1130 $221.95**

**White Softlight Reflector**
Produces soft, focusable light. **PF1132 $221.95**

**Four-sided Barn Door**
Mounts to Zoom Reflector. **PF1104 $157.95**

**Filter Holder**
Mounts to Zoom Reflector. **PF1106 $93.95**

**Honeycomb Grids**

| | | |
|---|---|---|
| For Softlight Reflector | PF1134 | $206.95 |
| For Magnum, Narrow-Beam, Tube | PF1126 | $159.95 |
| 20° Honeycomb Grid | PF1114 | $85.95 |
| 10° Honeycomb Grid | PF1116 | $93.95 |
| 5° Honeycomb Grid | PF1118 | $107.95 |

**Snoot**
Mounts into grid holder. **PF1120 $113.95**

**ProGlobe**
Provides bare-bulb effect. **PF1140 $435.00**




## Norman Series 900 Power Packs

Pro shooters know Norman's Series 900 Power Packs provide versatility and rugged dependability. With outputs ranging up to 4000w/s, they also provide all the power you need for general purpose lighting applications. Now Norman has added these features to ensure the packs' reliability and ease of handling, whether you are lighting traditional or digital stills:

- "Soft Start" recycling which is kinder to low amperage circuit breakers.
- Built-in photo eye (switchable) and an audible ready "beep" signal (switchable).
- Heavy-duty "Snap Lock" arc resistant connectors which won't accidentally pull out.
- Very tight output repeatability for digital photographic requirements; less than 1/20-stop even when line voltage varies up to 25 volts.

**Ⓐ P40/40-Rev 2 Power Pack**
This workhorse, with 4000w/s output and its "Rev 2" improvements, now offers 20% faster recycling time. Its "Smart Alarm" tracks the operation of each light with audible and visual indicators. The unit has 4 lamp head outlets with full/half power control, and also works on two channels of 2000w/s output. **NR1270 $2339.00**

**Ⓑ P24/24-Rev 2 Power Pack**
Here's Norman's best seller and most versatile commercial power supply. Its "Rev 2" improvements mean 33% faster recycling time (2 seconds at 2400w/s and 3/10 second at 400w/s), and include the new "Soft Start" recycling. This unit has 6 lamp head outlets with 3 power channels. **NR1240 $2009.00**

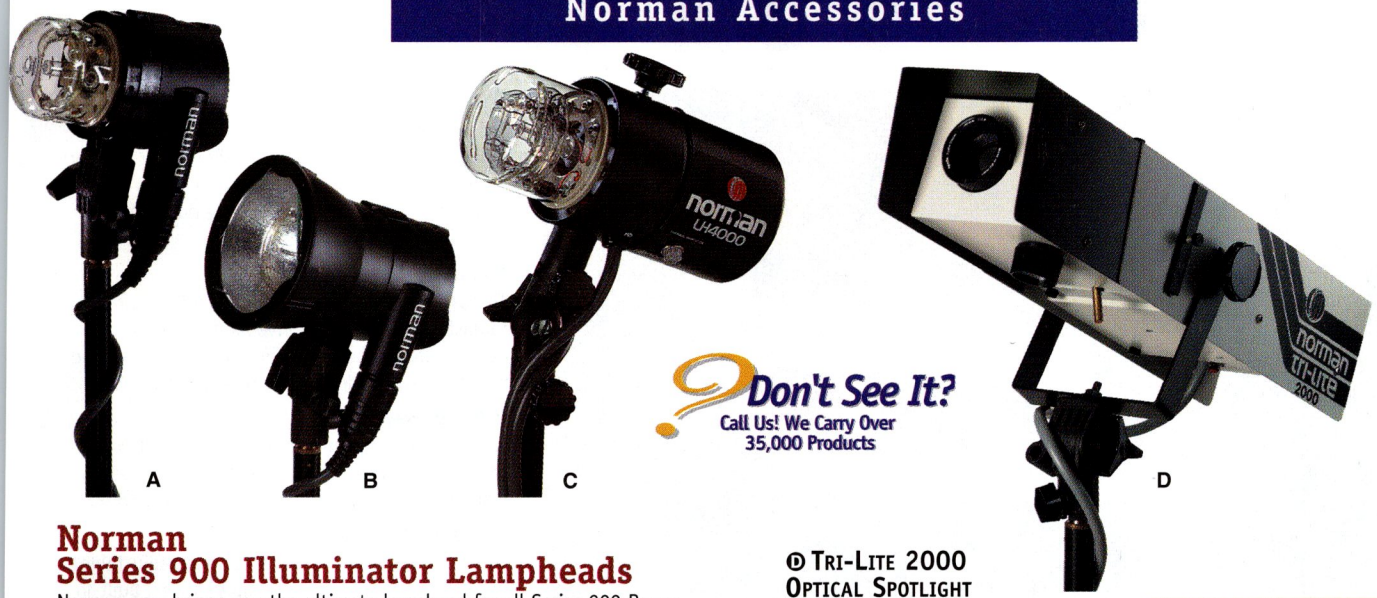
**Ⓒ P12/12 Power Pack**
This versatile pack is ideal for location portraiture and small product photography. The range on one light is from 1200w/s to 40w/s via infinite sweep adjustments. The auto-switching 115/230 volt circuit enables the P12/12 to operate anywhere in the world. **NR1600 $1449.00**

**Ⓓ P2000-D Power Pack**
This basic workhorse offers a practical blend of power and control. It has 7 lamp head outlets and combine/isolate power distribution so that you have the option of running one light at 400, 800, 1200, 1600 or 2000w/s. Additional lights can be symmetrically or asymmetrically split.
**NR1230 $1459.00**

**P800D Power Pack** (Not Pictured)
Perfect for portraits, small product and location work, this pack consists of 4 lamp head outlets, combine/isolate power distribution for one-light options of 200, 400, 600 or 800w/s. Additional lights may be symmetrically or asymmetrically split.
**NR1200 $1109.00**

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| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (Full) | Amps Drawn | Size (h x l x w) | Weight |
|---|---|---|---|---|---|---|---|---|
| P40/40 | 4000w/s | 4 | Sym/Asym | 6½-Stop Range | 4½ sec. | 15 | 9½ x 12 7/16 x 6½" | 28 lbs. |
| P24/24 | 2400w/s | 6 | Sym/Asym | 5½-Stop Range | 3½ sec. | 15 | 9 x 13 x 6½" | 19 lbs. |
| P12/12 | 1200w/s | 4 | Sym/Asym | 6-Stop Range | 2 sec. | 15 | 8 x 7 x 7" | 12 lbs. |
| P2000-D | 2000w/s | 7 | Sym/Asym | 2⅓-Stop Range | 2¾ sec. | 15 | 10 11/16 x 15 13/16 x 6½" | 29 lbs. |
| P800-D | 800w/s | 4 | Sym/Asym | 2-Stop Range | 1¼ sec. | 15 | 8⅝ x 9 x 7" | 15 lbs. |




A B C D

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## Norman Series 900 Illuminator Lampheads

Norman now brings you the ultimate lamphead for all Series 900 Power supplies! The Illuminator Lamphead is actually two heads in one. By simply changing the flash tube, the Illuminator can be configured as a studio light or as a compact travel light for location work. The basic flash head is both rugged and dependable with a molded high-impact housing which remains cool even under heavy use. Other features include quiet fan cooling, a quick disconnect cable with heavy duty arc resistant pins, full vertical tilting mounting bracket, and thermostat protection circuitry. The Illuminator can be purchased either as a Studio Head or as a Compact Travel Head and adapted later by simply changing the flash tube assembly.

### Ⓐ Studio Head

The Illuminator Studio Head can be used with all (Type 1 and Type 2) Norman studio reflectors. Includes FQ5 quartz flash tube with UV filtration, adapter ring for mounting Type 1 spring-mounted reflectors, 250w quartz modeling lamp and 20' lamphead cable. **NR2227 $401.95**
Replacement 250 Modeling Lamp. **WIESS $16.95**

### Ⓑ Compact Travel Head

This portable and versatile unit utilizes a unique "Tube in a Can" flash tube/reflector assembly. which boosts the light 7/10 stop over the standard reflector and remains cool to the touch, even during heavy use. The angle of coverage is 100°. It accepts all Norman 5" barn doors, grids, gels, etc. Includes FQ5-TC quartz 5" reflector/flash tube with UV filtration, 250w modeling lamp and 20' lamphead cable. **NR2228 $461.95**
Replacement 250 Modeling Lamp. **WIESS $16.95**

### Ⓒ High Power Lamphead

When light intensity is your paramount concern, this head delivers up to 4000w/s per flash. This thermostat protected, fan-cooled head utilizes an FQ4-UV dual helical flash tube and two 20' cables that connect to one or two power supplies. Includes P-150 Modeling Lamp. **NR2240 $638.95**
Replacement 150 Modeling Lamp. **WIESP $16.95**

## Norman Now Has *Two* Types of Reflector Mounts

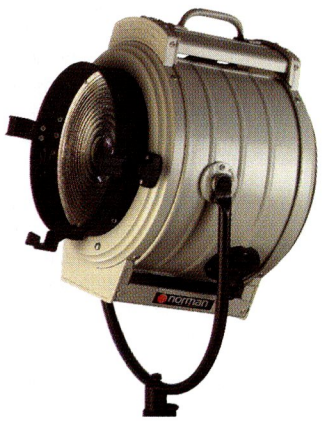
**Norman Reflectors**
The original "Type 1" fits LH2000 and LH2400 heads. "Type 2" is the new push-button mounting mechanism for "Illuminator" heads.

| Item | Type 1 | Type 2 | Description | Price |
|---|---|---|---|---|
| 5DL | NR4010 | NR4011 | 5" Wide Angle Reflector | $29.95 |
| 5DL-RP | NR4020 | NR4021 | 5DL with RP-1 Dome | $62.95 |
| 5E | NR4028 | NR4029 | 10" General Purpose Reflector* | $43.95 |
| 5E-RP | NR4050 | NR4031 | 5E with RP-1 Dome | $69.95 |
| 5WW | NR4100 | NR4101 | 16" Portrait Reflector | $78.95 |
| 5WW-RP | NR4110 | NR4111 | 5WW with RP-1 Dome | $105.95 |
| 5X | NR4130 | NR4131 | 22" Soft Light Reflector | $106.95 |

**no umbrella hole*

### Ⓓ Tri-Lite 2000 Optical Spotlight

This sleek head opens a new world of creativity. The Tri-lite 2000 performs as a focusing spot, an optical flash projector and a pinpoint light source. The front lens is a 4", f/2.8 flat field projection-type that is interchangeable with most Kodak Carousel™ projector lenses, including zooms. The light output is f/8 (ISO 100, 10' @ 2000w/s) at any iris setting. Includes ENH modeling lamp. **NR2250 $939.95**
Replacement 250 Modeling Lamp. **WIENH $24.95**




**FS10 Fresnel Spotlight**
If you're looking for dramatic theatrical-type lighting, here is the fresnel for you! You can control the mood or add localized light to emphasize subject detail. This 2400w/s spotlight produces a brilliant, even light with a long throw and a controllable beam. The modeling lamp is a 250w quartz. The FS10 has a 1⅛" stud (included) that mates with a 1⅛" cine stand. Includes 250w ESS Modeling Lamp. **NR2310 $1069.00**
Replacement 250 Modeling Lamp. **WIESS $19.95**

### Filter Frames

FF5 (5") **NR4250 $18.95**
FF10 (10") **NR4260 $24.95**
FF16 (16") **NR4270 $32.95**

### Accessories

R9112 Iluminator Reflector Adaptor Ring **NR4174 $7.49**

R2000-2D 20' Head Extension Cable for Series **900 NR2280 $92.95**

R9152 Series 900 "Y" Splitter Cable **NR2285 $92.95**

### Round Grids

An assortment of sizes. Requires grid holder.

**GR51S**
3 grid set, 1" thick for 5DL 5" reflector. **NR4460 $103.95**

**GR55S**
3 grid set, ½" thick for 5DL 5" reflector. **NR4450 $100.00**

**GR101S**
3 grid set, 1" thick for 5E 10" reflector. **NR4480 $152.95**

**GR105S**
3 grid set, ½" thick for 5E 10" reflector. **NR4470 $149.95**

**Grid Holders for Round Grids**
Clips to front of reflector rim.
GH5 (5") **NR4435 $39.95**
GH10 (10") **NR4465 $46.95**

**RP-1 Diffusion Dome**
Improves accuracy of modeling lamp and softens light with a 70° coverage angle, ½-stop light loss. For LH2000 head. **NR4140 $34.95**

# Dyna-Lite Flash System







## "M" Series Flash Heads

Dyna-Lite's flash heads feature UV color corrected, user-replaceable flash tubes, detachable 14' cables, and friction bracket to adjust head angle and a ratcheted handle. All heads accept umbrella shafts ½" and light stands up to ⅝". They also accept a wide variety of quick mount/removal reflectors and interface with all Lowel "Omni" series lighting control accessories.

**Ⓐ 2040 Blower Cooled Flash Head**
2000 w/s flash head with built-in reflector is compact and weighs only 2.4 lbs. Features 250w modeling lamp with on/off switch, cooling fan and ½" umbrella receptacle. **DY4036 $377.95**

Replacement 250w Modeling Lamp **WIETB $24.95**

**Ⓑ 4040 Blower Cooled Flash Head**
This 2000w/s head features a bare bulb flash tube under a frosted pyrex dome which offers increased efficiency with soft boxes. Features a 250w modeling lamp with on/off switch, cooling fan and ½" umbrella receptacle. Weighs 2.4 lbs.
**DY4089 $469.95**

Replacement 250w Modeling Lamp **WIETB $24.95**

## Dyna-Lite Power Packs

These extremely portable packs feature arc-protected connectors and switches, circuit breaker protection and a 2-year warranty. They are ideal for location or anywhere you need the advantage of ultra-light, super compact power.

**M2000XL Power Pack**
This fan-cooled 2000w/s pack has a 5-stop range (adjustable in ⅓-stops), five arc-proof head outlets, proportional modeling, built-in slave. And weighs in just under 14 lbs. **DY4025 $1668.00**

**M2000e Power Pack**
Same power range and control as the XL, but with three head outlets. Fan-cooled, switchable 100% ready beep. Approx. 14 lbs. **DY4010 $1316.00**

**M1000XR Power Pack**
This 1000w/s pack has a 5-stop range adjustable in ⅓ stops, dual modeling lamp dimmers, built-in Wein 2-channel infrared slave, switchable 100% ready beep, and ready light. **DY4015 $1052.00**

**M1000e Power Pack**
Seven power settings, from 125 to 1000w/s, symmetrical or not. Four arc-proof head outlets. **DY4008 $699.95**

**M500XL Power Pack**
500w/s from a 4 lb. pack! 5-stop range (in ⅓ stop increments). Proportional modeling and built-in slave. Upgraded sync circuitry. **DY4007 $523.95**

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## Dyna-Lite Package Systems

**1000w/s One-Pack/Two-Head System**
Includes one M1000XR power pack, two 2040 blower cooled heads with 14' cables, one IRT-1 transmitter, two 40" umbrellas, two 7' light stands, and carry case with shoulder strap. Weighs 26 lbs. **DY5020 $2245.00**

**2000w/s Two-Pack/Three Head System**
Includes two M1000XR power packs, three 2040 blower cooled flash heads with 14' cables, IRT-1 transmitter, and carrying case with shoulder strap. Weighs just 31 lbs. **DY5025 $3359.00**

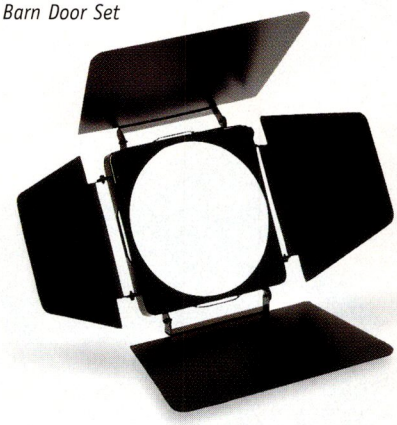
*For a complete selection of Dyna-Lite accessories, see page 65.*

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| M500XL | 500w/s | 3 | Sym/Asym | 5-Stop Range | .9 sec. | 7 | 5⅝ x 5⅞ x 5¾" | 4.2 lbs. |
| M1000e | 800w/s | 4 | Sym/Asym | 4-Stop Range | 1.5 sec. | 13 | 5⅝ x 6⅞ x 8¼" | 8.1 lbs. |
| M1000XR | 1000w/s | 4 | Sym/Asym | 5-Stop Range | 1.5 sec. | 13 | 5⅝ x 6⅞ x 6⅞" | 6.4 lbs. |
| M2000e | 2000w/s | 3 | Sym/Asym | 5-Stop Range | 2.1 sec. | 18 | 6⅞ x 9¼ x 8¼" | 13.9 lbs. |
| M2000XL | 2000w/s | 5 | Sym/Asym | 5-Stop Range | 2.1 sec. | 18 | 6⅞ x 9¼ x 8¼" | 13.9 lbs. |

# Dyna-Lite Accessories



*Barn Door Set*



## Light Controls and Accessories for the 4040, 4080 and 4080SP Flash Heads

| | | |
|---|---|---|
| 7" Grid Reflector (65°) | DY4094 | $44.95 |
| 7" Barn Door w/filter frame | DY7040 | $92.49 |
| 7" Magnetic Gel Holder | CM4180 | $39.95 |
| Snoot for 7" Reflector | DY4096 | $115.95 |
| 9" Grid Reflector (45°) | DY4092 | $62.95 |
| 9" Black Grid Set (25, 45, 60°) | DY4093 | $205.95 |
| 9" Barn Door w/filter frames | DY7042 | $89.95 |
| 9" Magnetic Gel Holder | CM4185 | $46.95 |
| 18" Soft Lite Reflector (80°) | DY4091 | $119.95 |
| Silk White Diffuser f/18" S.W. | DY4090 | $32.95 |



*7" Grid Reflector*

| | | |
|---|---|---|
| 40° Long Throw Reflector | DY4097 | $89.95 |
| Protective Head Cover | DY3545 | $.95 |
| Metal Protective Cover | DY7000 | $19.95 |
| 2000w/s Flash Tube | DY4098 | $179.95 |

## Dyna-Lite Flash Head Accessories

For the 1015 and 2040 flash heads. Also fit earlier 1000 and 2000 Series flash heads.

**10" Parabolic Reflector (50°)**
General purpose reflector. **DY3500 $39.95**

**9" Parabolic Reflector (80°)**
Can be used with an umbrella.
**DY3505 $39.95**

**Accessory Frame**
Can control light by inserting Lowel Omni scrims and diffusers into the light beam. Rotates 360°.
**DY3520 $39.95**

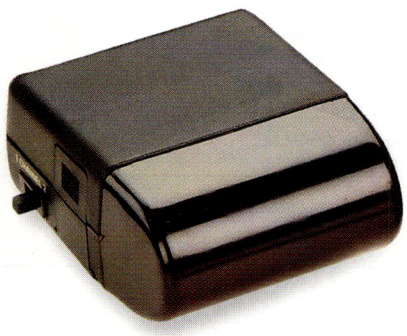
**Barn Door Set**
Same as Accessory Frame with 4 removable doors.
**DY3525 $75.95**

**Angle Reducing Ring**
This "snoot" reduces the angle of light coverage. One ring reduces the angle to 60°, two rings reduce angle to 30° and three rings reduce angle to 15°.
**DY3515 $35.95**

**Grid Spot Holder**
For Dyna-Lite, Balcar or Calumet 7" grids.
**DY3530 $36.95**

**Grid Spot Set**
Set of three 60, 45 and 25°. **DY3535 $152.95**

**15' Extension Cable**
For "M" series Flash Head. **DY4070 $51.95**



## Two Channel Infra-red Transmitter

Used for wireless sync actuation of XL Series power packs. May be mounted on a camera hot shoe, or the supplied sync cable to connect the transmitter to the camera. Key features include two private channels of sync actuation, 500' omni-directional range, 500 microsecond sync speed, powered by two AA alkaline batteries, battery saver circuit.
**DY4017 $159.95**




*Two Channel Infra-red Transmitter*



## Miscellaneous Accessories

**10' Replacement AC Cord**
For all M Series packs.
**DY3570 $19.95**

**15' Heavy-duty 3-Bladed Sync Cord**
For all M Series packs
**DY4078 $24.95**

| | | |
|---|---|---|
| M Series 14' Head Extension Cable | DY4070 | $49.95 |
| M Series 25' Head Extension Cable | DY4073 | $64.95 |
| Small Kit Case | DY3665 | $229.95 |
| Two Pack/Three Head Case | DY3670 | $149.95 |
| M Head to D Pack Adapter | DY4080 | $39.95 |
| D Head to M Pack Adapter | DY4085 | $39.95 |




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## Speedotron Pro Flash

### Black Line Power Supplies

**4803cx Power Supply**
Features additive multi-channel design for both symmetrical and asymmetrical output. Two of the six head outlets are specially designed to channel the entire 4800w/s of power through the 106 Light Unit. Other special features include:
- Power Range: 200 – 4800w/s
- Output Variation: 3-stops in ⅓-stop increments
- Power Channels: 3

**SB1055 $2099.00**

**2403cx Power Supply**
Offers variable output control for fast, repeatable brackets in ⅓-stop increments. Features rocker-style switches. Other notable specifications include:
- Power Range: 25 – 2400w/s
- Output Variation: 4-stop range
- Power Channels: 3

**SB1025 $1639.00**

**2401cx Power Supply**
Utilizing its additive 3-channel design, the 2401cx will give you the widest possible selection of lighting ratios to up to six light units. Features rocker-style switches instead of toggles.
- Power Range: 200 – 2400w/s
- Output Variation: Combine/Isolate

**SB1021 $1449.00**

**2401sx Power Supply**
Built to handle continuous flashing over a prolonged period of time, the 2401sx features fan cooling and a built-in low-voltage (LV) trigger.
- Power Range: 200 – 2400w/s
- Output Variation: Combine/Isolate

**SB1017 $1549.00**

*Preassembled Speedotron flash systems are available. Call for details.*

### Black Line 05 Series Packs

Designed for location, these packs all provide true power output ratioing, variable dial-down power and model lamp intensity. Electronics engineered for reliability and safety on location shoots are housed in a dust-proof and compact sealed case.

**2405cx Power Supply**
- Power Range: 50 – 2400w/s
- Output Variation: 3-stop range continuous dial
- Power Channels: 3

**SB1040 $1639.00**

**1205cx Power Supply**
- Power Range: 37 – 1200w/s
- Output Variation: 2-stop range continuous dial
- Power Channels: 3

**SB1015 $1129.00**

**805 Power Supply**
- Power Range: 50 – 800w/s
- Output Variation: Sym/Asym
- Power Channels: 4

**SB1065 $649.95**

*For a complete listing of Speedotron Accessories, please see page 68!*

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (Fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| 805 | 800w/s | 4 | Sym/Asym | 4-Stop Range | 1.3 sec. | 12 | 7¼ x 4½ x 8¼" | 8 lbs. |
| 1205cx | 1200w/s | 4 | Sym/Asym | 3-Stop Range | .9 sec. | 20 | 8¾ x 6½ x 10" | 15 lbs. |
| 2401cx/sx | 2400w/s | 6 | Sym/Asym | Combined/Isolate | 2.0 sec. | 20 | 8¾ x 11½ x 13¾" | 25 lbs. |
| 2403cx | 2400w/s | 6 | Sym/Asym | 4-Stop Range | 2.0 sec. | 20 | 9 x 12 x 14" | 28 lbs. |
| 2405cx | 2400w/s | 4 | Sym/Asym | 3-Stop Range | 2.0 sec. | 20 | 8¾ x 6½ x 13" | 23 lbs. |
| 4803cx | 4800w/s | 6 | Sym/Asym | 4-Stop Range | 4.0 sec. | 24 | 8¾ x 13¾ x 14¼" | 43 lbs. |






## Black Line Flash Heads

### 102 Light Unit

Speedotron's "standard" 2400w/s head is fan-cooled and designed for heavy-duty daily use. It fits all Black Line power supplies and accepts all universal reflectors and accessories. Includes 250w quartz model lamp, stand/umbrella mount and 20' cable.

102 Light Unit with color corrected flash tube and 7" reflector
**SB1106 $319.95**

102 Light Unit with color corrected flash tube and 11½" reflector
**SB1101 $319.95**

Repl 250w Modeling Lamp
**WIESS $19.95**

### 105 Light Unit

This special purpose light unit handles up to 9600w/s of power from either four 2400 or two 4800w/s power supplies. 250w modeling lamp and stand/umbrella mount included.

105 Light Unit, 4 Cable with color corrected flash tube
**SB11075 $959.95**

105 Light Unit, 2 Cable with color corrected flash tube
**SB11085 $914.95**

Repl 250w Modeling Lamp
**WIESS $19.95**

*All Speedotron heads also available with non-UV flash tubes.*

### 202VF Light Unit

This 2400w/s flash head features a variable-beam focus adjustable from 40 – 70°. Accepts all universal accessories, and comes with 250w modeling lamp, detachable 20' cable and stand/umbrella mount.

202VF Light Unit with color corrected lamp and 7" reflector
**SB1120 $389.95**

202VF Light Unit with color corrected lamp and 11½" reflector
**SB1119 $389.95**

Repl 250w Modeling Lamp
**WIETB $24.95**

### 206VF Light Unit

Speedotron's innovative 206VF light heads feature variable-beam focus for angle of coverage from 30 to 80°. The 206VF also has built-in recessed switches for 250w modeling lamps. Includes stand/umbrella mount.

206VF Light Unit with color corrected flash tube and 7" reflector
**SB1124 $449.95**

206VF Light Unit with color corrected flash tube and 11½" reflector
**SB1123 $449.95**

*See page 28 for replacement flash tubes and accessories.*



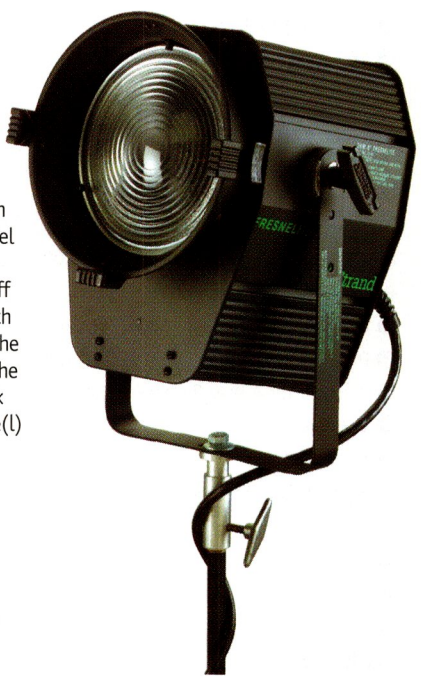
*Shaping Arms and Holders*



### Speedotron Zoom Spot Projector

Project patterns of light, color or transparent images onto the background or subject with this dual lens Zoom Spot light unit. Allows coverage from 30-60° and focus from as close as 2'. Features built-in beam-shaping arms, gel filter holder, pattern/gobo holder, a 3-position model lamp switch and cooling fan. Includes a 2400w/s color corrected flash tube, 250w model lamp, ⅝" stand adapter and adjustable yoke. Measures 24 x 11 x 10¼" and weighs 15 lbs. **SB1016 $769.95**

Replacement Model Lamp
**WIESS $19.95**



### Speedotron 8" Fresnel Spot

A complete focusing light unit with 4800w/s flash tube and 250w model lamp for the 4803cx power supply. Projects a spot of light that falls off in intensity towards the edges. With optional adapter cable (SB1540), the 8" Fresnel Spot can be used with the standard power outlets on all Black Line power supplies. Measures 11½(l) x 20(h)" and weighs 18 lbs.
**SB1005 $799.95**

Replacement Model Lamp
**WIESS $19.95**

### Adapter Cable

Enables 8" Fresnel to be used with any Black Line power supply.
**SB1540 $54.95**

Barn Doors for 8" Fresnel Spot
**SB1306 $134.95**

# Speedotron Accessories




## Accessories for Black Line Heads

### Black Line Reflectors

| | | |
|---|---|---|
| 7" (105°) Umbrella Reflector | SB1207 | $22.95 |
| 7" Umb. Reflector for 202VF/206 | SB1206 | $23.95 |
| 7" (flat black) for use w/snoot | SB1208 | $23.95 |
| Ⓐ 7" for 102 Head only (45°) | SB1225 | $23.95 |
| 11½" (50°) Reflector | SB1211 | $31.95 |
| Ⓑ 16" (50°) Reflector | SB1216 | $35.95 |
| Ⓒ 16" Sports Reflector (30°) | SB1218 | $54.95 |
| 20" (50°) Reflector | SB1220 | $44.95 |
| 22" Grid Reflector | SB1221 | $123.95 |

### Barn Doors

| | | |
|---|---|---|
| Ⓓ 2-Way B.D. for 7" Reflector | SB1307 | $36.95 |
| 2-Way B.D. for 11½" Reflector | SB1311 | $47.95 |
| Ⓔ 4-Way B.D. for 7" Reflector | SB1300 | $69.95 |

### Barn Door Accessories

| | | |
|---|---|---|
| Ⓕ Cookaloris f/4-Way Barndoor | SB1301 | $19.95 |
| Ⓖ Diffused Glass Filter | SB1302 | $35.95 |
| Ⓗ ½-Scrim for 4-Way Barndoor | SB1303 | $17.95 |
| Ⓘ Graduated-Scrim | SB1304 | $19.95 |
| Ⓙ Full-Scrim | SB1305 | $22.49 |

### Clip-on Mylar Diffusers

| | | |
|---|---|---|
| 7" | SB1407 | $9.95 |
| 11½" | SB1411 | $14.95 |
| 16" | SB1416 | $19.95 |
| 20" | SB1420 | $19.95 |

### Gel Holders

| | | |
|---|---|---|
| Ⓚ 7" | SB1471 | $10.95 |
| Ⓛ 11½" | SB1472 | $19.95 |

### Grids and Snoot for 7" Reflector

| | | |
|---|---|---|
| Ⓜ 3° Grid | SB1200 | $59.95 |
| Ⓝ 10° Grid | SB1201 | $39.95 |
| Ⓞ 20° Grid | SB1202 | $34.95 |
| Ⓟ 30° Grid | SB1203 | $29.95 |
| Ⓠ 40° Grid | SB1204 | $29.95 |
| 10, 20, 30, 40° Grid Set | SB1205 | $109.95 |
| Ⓡ Universal Snoot (2½" opening) | SB1451 | $21.95 |

### Grids for 11½" Reflector

| | | |
|---|---|---|
| Ⓢ 10° Grid | SB1212 | $69.95 |
| Ⓣ 20° Grid | SB1213 | $59.95 |
| Ⓤ 35° Grid | SB1214 | $49.95 |
| 20°, 35° Grid Set | SB1215 | $94.95 |

### Grids for Larger Reflectors

| | | |
|---|---|---|
| 20° Grid for 16" Reflector | SB1219 | $69.95 |
| 20° Grid for 20" Reflector | SB1222 | $86.95 |
| 20° Grid for 22" Reflector | SB1223 | $164.95 |

### Miscellaneous Accessories

| | | |
|---|---|---|
| 25' Extension Cord for 102/202 | SB1730 | $93.49 |
| 25' Extension Cord for 106/206 | SB1740 | $94.49 |
| Power Cord for Older Black Line Packs | SB2532 | $11.95 |
| Power Cord for All Black Line X Models | SB2533 | $11.95 |
| Flash Tube Cover for 102, 103, 104 Heads | SB1460 | $21.95 |
| Flash Tube Cover for 106 and 105 Heads | SB1462 | $26.95 |
| Flash Tube Cover for 202 and 206VF Heads | SB1135 | $9.95 |

## Speedotron Air Cases

Designed to provide maximum equipment protection while adding the minimum weight. All feature strong rigid sides wrapped in shock-absorbing foam and covered with ballistics nylon.

**Ⓥ Air Case for 4803 Power Supply**
Measures 17½ x 12½ x 19" (O.D.)
**SB1524 $197.95**

**Air Case for 2403 Power Supply**
Measures 16 x 12½ x 19" (O.D.)
**SB1527 $197.95**

**Air Case for 2405 Power Supply**
Measures 12⅓ x 17½ x 10" (O.D.)
**SB1530 $197.95**

**Ⓦ 4-Head Air Case**
Measures 35 x 13 x 8" (O.D.)
**SB1525 $317.95**

**3-Section w/stands Section Air Case**
Measures 33½ x 14 x 13" (O.D.)
**SB1535 $289.95**

**4-Section Soft-Sided Carrying Case**
Measures 35½ x 13 x 11½" (O.D.)
**SB1520 $109.95**

### Black Line Replacement Flash Tubes

| | | |
|---|---|---|
| 102 | SB1554 | $119.95 |
| | SB1556 (UV) | $129.95 |
| 103 | SB1612 | $109.95 |
| | SB1558 (UV) | $119.95 |
| 104 (1200w/s) | SB1602 | $94.95 |
| | SB1603 (UV) | $109.95 |
| 104 (2400w/s) | SB1564 (UV) | $159.95 |
| 105 | SB1635 | $149.95 |
| 106 | SB1560 | $199.95 |
| | SB1562 (UV) | $229.95 |
| 202 VF | SB1640 | $119.95 |
| | SB1645 (UV) | $139.95 |
| Zoom Spot (4800w/s) | SB1014 (UV) | $189.95 |

# Flash Comparison Chart

| Power Pack | Power Capacity | Head Outlets | Distribution (Sym/Asym) | Variable Output (f/stop range) | Recycle Time (full) | Amps Drawn (Fast) | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|---|
| **Balcar** | | | | | | | | |
| Source 1600 | 1600w/s | 3 | Asym | 10-Stop Range | 1.7 sec. | 8 | 6 3/10 x 10 2/5 x 14 1/5" | 22 lbs. |
| Source 3200 | 3200w/s | 3 | Asym | 10-Stop Range | 3.4 sec. | 8 | 6 3/10 x 12 3/5 x 14 1/5" | 24 lbs. |
| Source 6400 | 6400w/s | 4 | Asym | 10-Stop Range | 7.2 sec. | 8 | 6 3/10 x 14 4/5 x 14 1/5" | 31 lbs. |
| Jet 1600 | 1600w/s | 2 | Sym | 4-Stop Range | 1.0 sec. | 20 | 6 3/10 x 12 x 9" | 15.4 lbs. |
| Jet 3200 | 3200w/s | 2 | Sym | 4-Stop Range | 2.0 sec. | 20 | 6 3/10 x 12 x 12 2/5" | 21 lbs. |
| Concept P4 | 4x1600w/s | 4 | Asym | 4-Stop Range | 1 sec. | 8 | 7 x 12 x 6 3/10" | 11 lbs. |
| B3 | 3x1600w/s | 3 | Asym | 4-Stop Range | 3.5 | N/A | 6 3/10 x 7 1/2 x 12" | 19.5 lbs. |
| **Calumet** | | | | | | | | |
| Elite 1200 | 1200w/s | 4 | Sym/Asym | 6-Stop Range | .97 sec. | 13 | 9 x 6 1/2 x 8" | 13.25 lbs. |
| Elite 2400 | 2400w/s | 4 | Sym/Asym | 6-Stop Range | 1.7 sec. | 16 | 9 x 6 1/2 x 10 1/2" | 18.5 lbs. |
| Trav.+ 3000A | 3000w/s | 3 | Sym/Asym | 4.5-Stop Range | 3.2 sec. | 14 | 5 1/2 x 12 1/2 x 11" | 23 lbs. |
| **Dyna-Lite** | | | | | | | | |
| M500XL | 500w/s | 3 | Sym/Asym | 5-Stop Range | .9 sec. | 15 | 5 5/8 x 5 7/8 x 5 3/4" | 4.2 lbs. |
| M1000E | 1000w/s | 4 | Sym/Asym | 4-Stop Range | 1.5 sec. | 16 | 5 5/8 x 6 7/8 x 8 1/4" | 8.1 lbs. |
| M1000XL | 1000w/s | 4 | Sym/Asym | 5-Stop Range | 1.5 sec. | 16 | 5 5/8 x 6 7/8 x 6 7/8" | 6.4 lbs. |
| M2000e | 2000w/s | 3 | Sym/Asym | 5-Stop Range | 2.1 sec. | 18 | 6 7/8 x 9 1/4 x 8 1/4" | 13.9 lbs. |
| M2000XL | 2000w/s | 5 | Sym/Asym | 5-Stop Range | 2.1 sec. | 18 | 6 7/8 x 9 1/4 x 8 1/4" | 13.9 lbs. |
| **Norman** | | | | | | | | |
| P40/40 | 4000w/s | 4 | Asym | 4 1/2-Stop Range | 5 sec. | 15 | 9 1/2 x 12 7/16 x 6 1/2" | 24 lbs. |
| P24/24 | 2400w/s | 6 | Sym/Asym | 5 1/2-Stop Range | 3.5 sec. | 15 | 9 x 13 x 6 1/2" | 19 lbs. |
| P12/12 | 1200w/s | 4 | Sym/Asym | 6-Stop Range | 2 sec. | 15 | 8 x 7 x 7" | 12 lbs. |
| P2000-D | 2000w/s | 7 | Sym/Asym | 2 1/3-Stop Range | 2.75 sec. | 15 | 10 11/16 x 15 13/16 x 6 1/2" | 29 lbs. |
| P800-D | 800w/s | 4 | Sym/Asym | 2-Stop Range | 1.25 sec. | 15 | 8 5/8 x 9 x 7" | 15 lbs. |
| **Profoto** | | | | | | | | |
| Pro-7 2400 | 2400w/s | 3 | Sym/Asym | 5-Stop Range | 1.5 sec. | 15 | 6 x 9 x 15" | 27 lbs. |
| Pro-7 1200 | 1200w/s | 2 | Sym/Asym | 5-Stop Range | 0.8 sec. | 15 | 6 x 9 x 13" | 20 lbs. |
| Acute 12 | 1200w/s | 3 | Sym/Asym | 4-Stop Range | 1.7 sec. | 7 | 7 1/2 x 5 x 8 2/3" | 9 lbs. |
| Acute 24 | 2400w/s | 3 | Sym/Asym | 4-Stop Range | 3.5 sec. | 7 | 7 1/2 x 5 x 12" | 13 lbs. |
| Pro-7B | 1200w/s | 2 | Sym/Asym | 7-Stop Range | 3.0 sec. | N/A | 9 1/2 x 6 3/4 x 9" | 20 lbs. |
| **Speedotron** | | | | | | | | |
| 805 | 800w/s | 4 | Sym/Asym | 4-Stop Range | 1.3 sec. | 12 | 7 1/4 x 4 1/2 x 8 1/4" | 8 lbs. |
| 1205 | 1200w/s | 4 | Sym/Asym | 3-Stop Range | .9 sec. | 20 | 8 3/4 x 6 1/2 x 10" | 15 lbs. |
| 2401cx/sx | 2400w/s | 6 | Sym/Asym | Combined/Isolate | 2.0 sec. | 20 | 8 3/4 x 11 1/2 x 13 3/4" | 25 lbs. |
| 2403cx | 2400w/s | 6 | Sym/Asym | 4-Stop Range | 2.0 sec. | 20 | 9 x 12 x 14" | 28 lbs. |
| 2405cx | 2400w/s | 4 | Sym/Asym | 3-Stop Range | 2.0 sec. | 20 | 8 3/4 x 6 1/2 x 13" | 23 lbs. |
| 4803cx | 4800w/s | 6 | Sym/Asym | 4-Stop Range | 4.0 sec. | 24 | 8 3/4 x 13 3/4 x 14 1/4" | 43 lbs. |

## Flash Head Output Comparison Test

The chart below represents a comprehensive, independent and unbiased flash head output test comparing the major flash heads represented in this catalog. The test was performed by Chimera Inc and was done in a controlled environment to the best of their ability.

The purpose of this test was to give a fair and comparable output rating to each of the flash heads with identical measurement specifications: soft box type, flash meter and flash tube-to-meter distance. The soft box used was a Chimera Super Pro Silver (Medium) measured at 5' from flash tube to meter. The flash meter used was a Minolta Flash Meter IV.

| Flash Head w/Pack | F/stop* | F/stop (Bare Tube) | Color Temperature Output | Model Lamp | Fan Cooled | Size | Weight | Maximum Power |
|---|---|---|---|---|---|---|---|---|
| **Balcar** | | | | | | | | |
| U Head (new) w/3200 Source | 64.5 | 64 | 6500 B/T - 6140 Box | 300w | Yes | 4 1/2 x 4 1/2 x 6 7/10" | 3.7 lbs. | 3200w/s |
| Power Z w/Jet 3200 | 64.6 | 45.1 | 6580 B/T - 6210 Box | 300w | Yes | 4 9/10 x 4 9/10 x 8 7/10" | 5.3 lbs. | 3200w/s |
| Power Z w/Source 3200 | 64.4 | 45 | 6580 B/T - 6170 Box | 300w | Yes | 6 1/4 x 5 x 5" | 4.6 lbs. | 3200w/s |
| Power Z Bi-tube w/6400 | 90.7 | 64 | 6620 B/T - 6150 Box | 300w | Yes | 6 1/4 x 5 x 5" | 5.25 lbs. | 6400w/s |
| Z4 Head w/Concept p4 | 32.8 | 22.6 | 6120 B/T - 5920 Box | 300w | Yes | 9 2/5 x 6 3/10 x 5 1/2" | 8.25 lbs. | 1600w/s |
| **Calumet** | | | | | | | | |
| Elite w/2400 pack | 64.3 | 64.4 | 5600 B/T - 5390 Box | 250w | Yes | 8 1/5 x 3 1/2" | 1.8 lbs. | 2400w/s |
| Traveller Univ. Head w/Trav. 3000A | 64.5 | 45.3 | 5710 B/T - 5670 Box | 250W | Yes | 6 3/10 x 5 7/10" | 7.15 lbs. | 3000w/s |
| **Dyna-Lite** | | | | | | | | |
| 2040 w/2000XL | 45.8 | 45.9 | 5480 B/T - 5070 Box | 250w | Yes | 5 7/10 x 5" | 2.4 lbs. | 2000w/s |
| 4040 w/1000XL | 32.9 | 32 | 5250 B/T - 5150 Box | 250w | Yes | 7 7/10 x 5" | 3.25 lbs. | |
| **Norman** | | | | | | | | |
| LH 4000 w/4040 Pack | 64.1 | 32.8 | 4900 B/T - 4940 Box | 250w | Yes | 8 3/4 x 4" | 5.5 lbs. | 4000w/s |
| Ilum. 2500 w/2424 Pack | 45.9 | 32.5 | 4900 B/T - 4940 Box | 250w | Yes | 6 3/4 x 7 1/2" | 1.7 lbs. | 2000w/s |
| **Profoto** | | | | | | | | |
| Pro Head w/Pro 6 Frz. | 64.4 | 45.4 | 5750 B/T - 5750 Box | 250w | Yes | 11 x 4" | 5 lbs. | 2400w/s |
| Acute ABS Head w/Acute 12 | 22.7 | 16.4 | 5240 B/T - 5280 Box | 150w | Yes | 11 x 4" | 5 lbs. | 1200w/s |
| **Speedotron** | | | | | | | | |
| 102 w/2403CX | 45.6 | 32.1 | 5540 B/T - 5450 Box | 250w | Yes | 7 1/2 x 5" | 6.4 lbs. | 2400w/s |
| 202VF w/2403CX | 45.2 | 45.1 | 5530 B/T - 5420 Box | 250w | Yes | 9 1/2 x 7" | 7.0 lbs. | 2400w/s |
| 206VF w/4803 CX | 64.8 | 45 | 5330 B/T - 5470 Box | 250w | Yes | 10 1/5 x 9 x 5" | 7.0 lbs. | 4800w/s |
| 105 2cab. w/4803(2) | 128.3 | 45.7 | 5840 B/T - 5390 Box | 250w | Yes | 7 1/2 x 5" | 6.4 lbs. | 9600w/s |

*With a Medium Chimera (S) Soft Box at 5'.

# Monolights




## Photogenic PowerLight PL-2 Series

**Powerlight 1250**
Features infinite flash power settings from 16 to 500w/s, a 6-stop range of light. Other features include independent on/off modeling with variable power up to 250w, and choice of three modes: full on, manual and flash tracking.
**PG0024 $409.95**

**Powerlight 1250DR**
Features digital display control panel, with adjustable flash and modeling from full to 1/32 at the touch of a button.
**PG20022 $519.95**

**Powerlight 2500DR**
Features twice the power as 1250 units, plus infinite settings from 32 to 1000w/s. Equipped to handle all Advanced PL2 remote control accessories. **PG20020 $749.95**

Remote Digital I.R. Receiver
**PG20034 $92.95**

I.R. Wireless Controller
**PG0036 $92.95**

*We carry the full line of Photogenic accessories.*




## Dyna-Lite Uni400JR Monolight

Combines the best features of a Dyna-Lite flash head and a Dyna-Lite power pack in one self-contained 400w/s unit that operates either on AC or with the optional Jackrabbit battery unit for field operation. The Uni400JR accepts all Dyna-Lite flash head accessories.

UV color-corrected flashtube; Fully proportional 100w quartz modeling light; Interchangeable reflectors.
**DY3900 $615.95**

100w Replacement Lamp
**DY3908 $18.95**

## Jackrabbit/Uni400JR Package

This high output portable flash package will give you 75 full-power flashes per charge. Includes the Uni400JR Monolight, Jackrabbit battery pack, cables and charger.
**DY3905 $889.95**

*For Dyna-Lite accessories, see page 65.*




## Profoto ProComPact

With their light weight, small dimensions, and multi-voltage capability, these units are perfect to supplement generator set-ups in the studio or on the road. A Voltage Key Card allows instant adjustment in line voltage anywhere in the world. Just switch power cables and modeling lamps.

**ProComPact**
This 300w/s unit includes UV-coated flashtube, uncoated glass cover, 150w/230V halogen lamp, stand adapter and 16' AC Cable.
**PF0502 $699.95**

**ComPact Plus Special**
This 600w/s unit includes 150w Halogen modeling lamp, uncoated, removable, frosted glass cover, UV-coated flashtube, transport cap, stand adapter and 16' power cable. Reflector is optional.
**PF0504 $1129.00**

*For Profoto accessories, see page 61.*




## Elinchrom Compact Systems

Compact units incorporate Elinchrom's precision-made positive locking accessory ring and accept the whole range of light modifying accessories.

**EL 250C**
Ideal for portraits, whether used with a soft box or an umbrella, the EL 250C gives approximately f/11 at 10' with ISO 100. **EL0008 $569.95**

**EL 500C**
With a soft box or umbrella attached, the EL 500C gives approximately f/16 at 10' with ISO 100.
**EL0012 $699.95**

**EL 1000C**
Offers high flash output in a compact package.
**EL0014 $1039.00**

## Elinchrom Micro Compact

This 530w/s, fan-cooled unit has a 5-stop output range, controllable in 1/10-stop increments, and dual voltage AC capabilities. **EL0004 $1429.00**

## Elinchrom Rapid Compacts

EL 250R EL0016 $799.95
EL 500R EL0018 $899.95
EL Sport 1000R EL0020 $1699.00

| Monolight | Flash Power | Guide Number (ISO 100 w/50° reflector) | Flash Duration (@ 0.5) | Recycling Time (full) | Modeling Lamp Power | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|
| Micro Compact | 530w/s | 270 | 1/2350 sec. | 5 sec. | 300w | 12 x 5½ x 7" | 6.5 lbs. |
| EL 250C | 250w/s | 198 | 1/2500 sec. | 3 sec. | 90v/100w | 7⅛ x 5⅜" | 4.4 lbs. |
| EL 250R | 250w/s | 149 | 1/6400 sec. | 3 sec. | 120v/150w | 7⅛ x 5⅜" | 4.4 lbs. |
| EL 500C | 500w/s | 271 | 1/1700 sec. | 3 sec. | 90v/100w | 7⅛ x 5⅜" | 4.8 lbs. |
| EL 500R | 500w/s | 211 | 1/4000 sec. | 3 sec. | 120v/150w | 7⅛ x 5⅜" | 4.8 lbs. |
| EL 1000C | 1000w/s | 396 | 1/100 sec. | 3 sec. | 120v/200w | 10⅝ x 5⅜" | 7.4 lbs. |
| EL 1000R Sport | 1000w/s | 340 | 1/3000 sec. | 3 sec. | 120v/200w | 10⅝ x 5⅜" | 7.4 lbs. |
| Uni400JR | 400w/s AC/DC | 110 | 1/700 sec. | 1.4 sec. | 100w | 7¾ x 5" | 3.6 lbs. |
| ProComPact | 300w/s AC | 210 | 1/900 sec. | .9 sec. | 250w | 10¾ x 4" | 5 lbs. |
| ProComPact Plus | 600w/s | 295 | 1/850 sec. | .8 sec. | 150w | 14½ x 6¾" | 5.7 lbs. |
| Powerlight 1250 | 500w/s | 365 | 1/1300 sec. | 1.5 sec. | 250w | 4½ x 4½ x 6¾" | 5.5 lbs. |
| Powerlight 1250DR | 500w/s | 365 | 1/1300 sec. | 1.5 sec. | 250w | 4½ x 4½ x 6¾" | 5.5 lbs. |
| Powerlight 2500DR | 1000w/s | 515 | 1/770 sec. | 3 sec. | 250w | 4½ x 4½ x 8¾" | 7 lbs. |

## Leading European Monolights!

### Bowens Esprit Monolights

Bowens, long respected as one of the finest flash manufacturers in the world, have incorporated leading edge technology and advanced computer design into their latest monolight system, the Esprit. These toughly-built, octagonal shaped monolights are built to withstand the rigors of every day, all-day use and offer professional flexibility for today's busy photographer. For convenient operation and adjustments, the controls are positioned on the side panel. All Esprits offer fully stabilized flash output for total consistency and variable power over 2 to 6.5 f/stops. Fast recycle times and full modeling lamp controlability combine for extreme user convenience. For additional versatility, Esprit monolights are compatible with the complete Calumet Flash reflector system (pages 58 & 59).

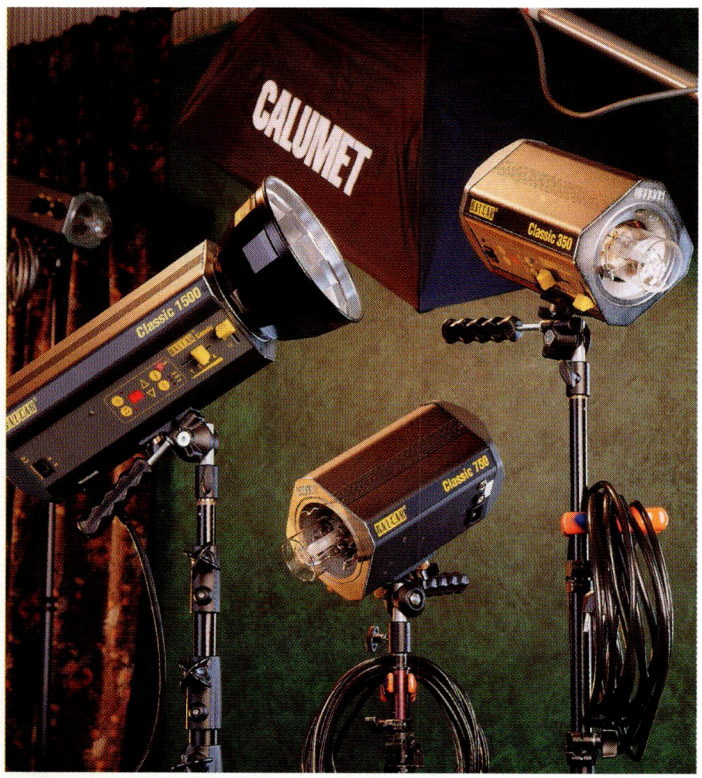
| | | |
|---|---|---|
| Esprit 250 | BW8000 | $549.95 |
| Esprit 500 | BW8010 | $649.95 |
| Esprit 1000 | BW8016 | $999.95 |
| Esprit 1500 | BW8020 | $1499.95 |

New AT CALUMET



| Monobloc | Power | Guide # (ft./100 ISO)* | Recycle (full) | Flash Duration (t=0.5) | Flash** Variability | Stop Range | Dimensions (d x l) | Weight |
|---|---|---|---|---|---|---|---|---|
| Esprit 250 | 250w/s | 197 | 1.4 sec. | 1/1100 | Full to 1/4 | 2 | 5 3/4" x 14 1/4" | 6.4 lbs. |
| Esprit 500 | 500w/s | 270 | 1.6 sec. | 1/500 | Full to 1/32 | 5 | 5 3/4 x 14 1/4" | 7.4 lbs. |
| Esprit 1000 | 1000w/s | 394 | 2.9 sec. | 1/1500 | Full to 1/32 | 5 | 5 3/4 x 17 3/4" | 9.5 lbs. |
| Esprit 1500 | 1500w/s | 525 | 3.9 sec. | 1/1000 | Full to 1/32 | 6.5 | 5 3/4 x 19 3/4" | 11.5 lbs. |

*With 50° Keylite reflector. **Fully Variable*




## Versatile Flash for Today's Professional!

### Balcar Classic Monoblocs

It's hard to match the portable convenience and efficiency of these self-contained, monobloc flash units. The small, lightweight Classic 350 (350w/s) and Classic 750 (750w/s) are ideal for studio or location shoots of all types while the powerful Classic 1500 (1500w/s) is just the ticket for large industrial shoots, or as an addition to your existing studio flash system. These fan-cooled flash units are designed and built for heavy use and will withstand the rigors of day-in and day-out operation, and, with their automatic bi-voltage circuitry (90-120V or 200-250V) provides world-wide operation.

While some monobloc systems offer limited light control options, these Classic units are 100% compatible with all other Balcar systems and accept the full line of Balcar accessories.

**Balcar Classic features include:**

- Power setting in 1/10-stop increments over 4-stops.
- Choice of four model lamp modes: Full Power, Proportional to Power, Independent Operation and Off
- Focusing control adjusts angle of light from 45 to 120° (with FX 60 reflector)
- 250w model lamp placed at the center of the flash tube to avoid optical disparities with flash
- Built-in photocell with on/off switch
- 100% charge indicator and audible beep (switchable)
- 2-Year Warranty!

**Classic 350 Monobloc**
**BF10355 $949.95**

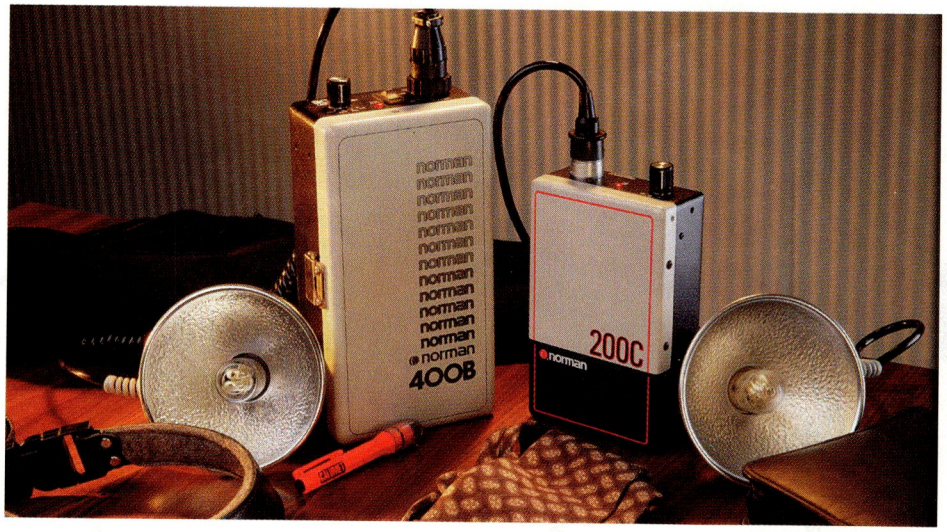
**Classic 750 Monobloc**
**BF10356 $1195.00**

**Classic 1500 Monobloc**
**BF10358 $1495.00**

*Classic Lighting Kits are also available. Call for details.*

| Monobloc | Power | F/stop @ 6.6' FX 60 pos. 1:70° | Recycle (full) | Flash Duration (t=0.5) | Color Temp. (clear shell) | Dimensions (w x h x l) | Weight |
|---|---|---|---|---|---|---|---|
| Classic 350 | 350w/s | 16.1 | 0.8 sec. | 1/2000 | 5350 K | 4 9/10 x 4 9/10 x 9 4/5" | 6 lbs. |
| Classic 750 | 750w/s | 22.6 | 1.6 sec. | 1/1500 | 5350 K | 4 9/10 x 4 9/10 x 9 4/5" | 6.6 lbs. |
| Classic 1500 | 1500w/s | 32.6 | 3.2 sec. | 1/900 | 5400 K | 4 9/10 x 4 9/10 x 12 3/5" | 8 lbs. |

Order Anytime Day or Night!
Toll Free Fax 1-800-577-3686




### 400B Battery Portable

This high-powered portable is perfect for large group shots, interior accents, sports and news photography. New Delta V Charger and Super Batteries give 25% more capacity than the original Norman batteries. Now charger operates from dual voltage (switchable) and with optional cable for 12 volt use. The also 400B features:

- Choice of output levels: 400, 200, 100 or 50w/s
- 175 flashes (at 400w/s) to 1400 flashes (at 50w/s) per charge
- Fast recycling from 1/3 sec. (at 50w/s) to 3 sec. (at 400w/s)
- 3-hour recharging time with Delta V charger
- Weighs under 6 lbs. and measures 10½ x 5¼ x 3¼"
- Full line of reflectors, barn doors, diffusers, etc.

**400B Battery Portable Outfit**
Includes power supply, battery pack and charger, lamphead with 5" (60°) reflector and strap.
**NR3100 $1179.00**

400BML Outfit w/Model Lamp Head
**NR1072 $1170.00**

Extra Battery for 400B
**NR3405 $119.95**

### 200C Battery Portable

Enjoy great high flash output from this 200w/s battery-powered portable flash.
The 200C features:

- Choice of three output levels: 200, 100 or 50w/s
- 170 flashes (at 200w/s) to 680 flashes (at 50w/s) per charge
- Fast recycling, from 1/3 sec. (at 50w/s) to 1½ sec. (at 200w/s)
- Weighs 3.75 lbs. and measures 8⅕ x 4¾ x 2¼"
- 3-hour recharging time with the Delta V charger
- Full line of reflectors diffusers and other accessories

**200C Battery Portable Outfit**
Includes power supply, battery pack and charger, lamphead with 5" (60°) reflector and strap.
**NR2800 $995.00**

200CML Outfit w/Model Lamp Head
**NR2850 $1080.00**

Extra Battery for 200C
**NR2880 $109.95**

**Don't See It?**
**Call Us! We Carry Over 35,000 Products**

### Batteries, Chargers & Cables

| | | |
|---|---|---|
| Dual Charger for 400B | NR3010 | $290.95 |
| NiCad 400B Battery | NR3405 | $119.95 |
| Single Charger for 200C | NR3005 | $231.95 |
| NiCad 200C Battery | NR2880 | $114.95 |
| Single Charger for 200B | NR3000 | $259.95 |
| NiCad 200B Battery | NR3406 | $113.95 |
| Charger Cable for 200B | NR3020 | $69.95 |
| Charger Cable for 200C | NR3025 | $17.95 |
| Charger Cable for 400B | NR3030 | $18.95 |
| Auto Cigarette Lighter Cable | NR3015 | $16.95 |
| 4 Cable for two 400B Batteries | NR3045 | $42.95 |

### Reflectors & Accessories

2D General Purpose 5" Reflector (60°)
**NR3500 $19.95**

2DML 5" Reflector w/Model Lamp (60°)
**NR2004 $42.95**

2D-RP 5" Wide Angle Reflector (130°)
**NR3510 $38.95**

2H Telephoto 8" Reflector (15°)
**NR3540 $52.95**

BD-45 Barn Door (fits 5" reflectors)
**NR4200 $59.95**

FFH-5 Filter Frame Holder (fits 5" reflectors)
**NR4280 $34.95**

G-45 Grid (fits directly on 5" reflector)
**NR4410 $67.95**

GH5 Grid Holder **NR4435 $37.95**

GR55S Grid Set (3) ½" thick
**NR4450 $100.00**

GR51S Grid Set (3) 1" thick
**NR4460 $100.00**

## More Flash for Your Cash!

### Calumet Travelite System

Whether you're looking for a dependable flash to take on location, or auxilliary lighting for your current studio system, you'll find no better value that Travelites. These self-contained flash units pack a powerful punch and don't cost a whole bunch. For convenience, the controls are located on the side panel so you easily can see them no matter what your lighting setup. An adjustable-tension, firm-gripping pivot arm provides quick and secure angle control. Travelites also have unique flash-inhibit circuitry so power is 100% charged before firing for consistent lighting with every shot.

**Travelite 750**
Includes 750w/s self-contained flash unit, built-in slave, continuously variable 250w modeling lamp, power range of 5 stops (1/32 to full), mounting arm with adjustable grip tension, double-mount clamp, sync cord and flash tube cover, 2-year parts and service warranty. **BW0750 $479.95**

Travelite 750 2-year Extended Warranty
**BW0900 $50.00**

Repl. 250w Modeling Lamp **OL1000 $19.95**

**Travelite 250**
Includes 250w/s self-contained flash unit, built-in slave, 250w modeling lamp, power range of 2 stops (¼ to full), mounting arm with adjustable firm grip tension, double mount clamp, sync cord and flash tube cover. 2-year parts and service warranty.
**BW0250 $349.95**

Travelite 250 2-year Extended Warranty
**BW0925 $25.00**

Repl. 250w Modeling Lamp **OL1000 $19.95**

*For Travelite technical specifications, see chart on facing page.*



**Travelite Case**
Made of durable, lightweight nylon, amply padded with three dividers to protect up to four Travelites, or three Travelites with the fourth section used for cords, reflectors, meters and other accessories. Its thick nylon handles feature a leather grip that snaps handles together. Weighs 11 lbs. 6 oz. I.D. 26½ x 19 x 9". **BW0780 $169.95**

## Travelite 2-year Extended Warranty

This parts and service warranty extends your coverage to a full four years. In the event your Travelite needs service it will be completed in 48 hours and shipped back via the same method it was sent to us.




## New Lower Pricing!

### Calumet Travelite Packages

**1500w/s Umbrella Package**
Kit includes two Travelite 750 units, two 6" umbrella reflectors, two 45" ribless umbrellas and two compact light stands. **BW0821K $995.00**

**1750w/s Studio Package**
Includes two Travelite 750 units, one Travelite 250, a Travelite case, two 6" umbrella reflectors, two 45" ribless soft-bounce umbrellas, one 36 x 48" soft box with ring, three compact stands and a soft shell case for umbrellas and stands.
**BW0840K $1695.00**

**2250w/s Umbrella Package**
Includes three Travelite 750 units, a Travelite case (holds up to four Travelites), three 6" umbrella reflectors, three 45" ribless soft-bounce umbrellas, three compact light stands and a soft shell travel case for umbrellas and stands.
**BW0825K $1795.00**

**2250w/s Portrait Package**
Includes three Travelite 750 units, a Travelite case (holds up to four Travelites), two 6" umbrella reflectors, two 45" ribless soft bounce umbrellas, one 36 x 48" soft box with ring, three compact light stands and a soft shell travel case for umbrellas and stands. **BW0845K $1895.00**

*Additional packages available!*
*Call 1-888-888-9083 for more information.*

*For Travelite accessories, please see pages 58 & 59.*

2 year Warranty



*Photo by Grey Crawford*

**"Thanks to Travelites, I can pour beautiful daylight into all my interiors so it looks like every shot was taken at 3:30 in the afternoon on a sunny summer day!"**

**Grey Crawford**
*Location Photographer*
Los Angeles, CA




| Flash System | Stored Energy | F/Stop* | Guide Number | Flash Tube Color Temperature | Power Range | Size (w x d x h) | Weight |
|---|---|---|---|---|---|---|---|
| Travelite 250 | 250w/s | 8.4 | 94 | 5500 K | 2 Stops (1/4 to full) | 10 3/4 x 4 3/4 x 4 3/4" | 5.5 lbs. |
| Travelite 750 | 750w/s | 16.4 | 189 | 5500 K | 5 Stops (1/32 to full) | 12 1/4 x 4 3/4 x 4 3/4" | 7.5 lbs. |

** F/stop rating measured at 10' with a Medium Chimera Super Pro Silver.*

## Lumedyne Offers Endless Options!

One of the most versatile portable flash systems in the world. Here's how simple it is to customize a flash to match your needs:
1) Choose a power pack.
2) Select a battery and a charger.
3) Get a head, or two!

And, the options are endless, with modules that boost power (up to 2400w/s!), shorten recycle times (down to 5 f.p.s.!) and, in general, make Lumedyne one extremely versatile system. One-year warranty on all Lumedyne Batteries.

### Power Packs

Packs come in either 200 or 400w/s settings with power increments of 50, 100 and 200w/s (to 400w/s with model #067X). Each pack has two flash head connectors and distributes power equally between both heads.

**#065 Power Pack (200w/s)**
Recycles in 5 sec. (full/"fast") 50, 100 and 200w/s settings. Weighs 2 lbs. **LU5000 $375.95**

**#065X Power Pack (200w/s)**
Same as #065, but recycles in 2.5 sec. (full/"fast") and weighs 2.5 lbs. **LU8530 $405.95**

**Ⓐ #067X Power Pack (400w/s)**
Recycles in 5 sec. (full/"fast"), 50, 100, 200 amd 400w/s settings. Weighs 4.5 lbs. **LU6060 $544.95**

### Booster Modules

The 200 and 400w/s boosters can be configured to increase power up to 2400w/s. Standard boosters increase power only, control boosters add head connectors and switches, allow asymmetrical power distribution.

**#071A 200w/s Booster**
Switchable 200w/s booster module. **LU6081 $149.95**

**Ⓑ #072 Control Booster**
With one flash head outlet. Sends 100 or 200w/s to its own head or 200w/s to the power pack. **LU6085 $185.95**

**#073 400w/s Booster**
**LU6086 $273.95**

**#074 Deluxe Control Booster**
With two flash head outlets. Sends power to its own head(s) or sends 200 or 400w/s to the power pack. Can be stacked up to 2400w/s. **LU6088 $367.95**

**#054X High Speed Module**
Cuts recycle time in half. Stacking cuts times to 5 f.p.s. (50w/s), 1 sec. (400w/s). **LU5060 $159.95**




*This 600w/s system consists of an #067X, #074, #025C, #002E and #014.*

### Power Supplies

Portable modular systems can be operated from auto, marine and AC power sources.

**#058X AC Power Mini Module**
(Do not use w/Modeling Head).
**LU6052 $114.95**

**#058M AC Power Supply**
For up to three Modeling Heads.
**LU6050 $169.95**

**#039 Vehicle Power Interface**
**LU6015 $64.95**

**Quick Charger and Vehicle Power Interface**
**LU5029 $89.95**

**AC Fast Power Supply**
**LU6045 $169.95**

### Chargers

Choose a charger best suited for your needs. The Trickle Charger is the smallest, lightest. The Quick Charger recharges twice as fast as the Trickle. The Ultra is an auto-charger that senses voltage and stops charging when batteries reach full charge.

**Ⓒ #014 Single-Trickle Charger**
**LU5030 $16.95**

**#011 Multi-Trickle Charger**
Charges up to 4 batteries at once.
**LU5028 $69.95**

**#016 Quick Charger**
Charges battery in half the time as the Trickle Charger. **LU5031 $24.95**

**Ⓓ #017 Quick-Trickle Charger**
Quick-charges one battery (except Mini) or trickle-charges two batteries at once. **LU5034 $49.95**

**#018 Ultra Charger-100**
Automatically charges battery to 100% then shuts off the charge.
**LU5035 $89.95**

**#018W Global Ultra Charger-100**
Same as above, plus switchable from 110 to 240V. **LU5036 $104.95**

**#033 4-Battery Charge Cable**
Links one #018 to four batteries.
**LU5037 $43.95**

### Flash Heads

Flash heads are available with or without modeling lights and with straight or coiled cords.

**Straight Cord Heads**

#001E 400w/s Standard
**LU5010 $124.95**

#003M 400w/s w/Modeling
**LU5014 $174.95**

#001Q 2400w/s Head
**LU5019 $239.95**

#003Q 2400w/s w/Modeling
**LU5022 $299.95**

**Ⓔ Coiled Cord Heads**

#002E 2400w/s Head
**LU5012 $139.95**

#004M 400w/s w/Modeling
**LU5013 $189.95**

#002Q 2400w/s Head
**LU5021 $254.95**

#004Q 2400w/s w/Modeling
**LU5023 $309.95**

### New! Auto Control Modules, Modular Heads and Cables

Offer a 7-stop range of control and power up to 2400w/s. ACMs require a Modular Flash Head, Modular Power "P" Cable and Auto Module "A" Cable.

007S Spot ACM Module
**LU4024 $149.95**

008E 800w/s Modular Head (Requires P Cable) **LU4000 $119.95**

008Q 2400w/s Modular Head (Req'd P Cable) **LU4001 $229.95**

009 800w/s Modular Modeling Head (Requires P Cable) **LU4002 $164.95**

003Q 2400w/s Modular Modeling Head (Requires P Cable)
**LU5022 $299.95**

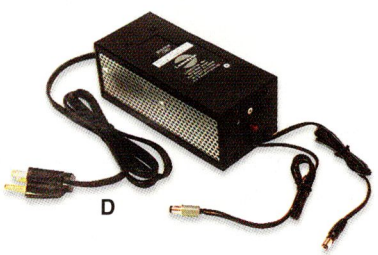
031A 18" Auto Module Cable
**LU4004 $16.95**

034A 5' Auto Module Cable
**LU4010 $18.95**

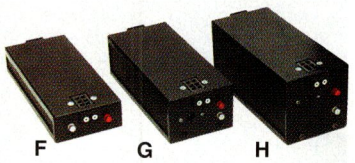
036A 10' Auto Module Cable
**LU4022 $24.95**

034P 5' P Cable (Straight)
**LU4030 $26.95**

035P 5' P Cable (Coiled)
**LU4032 $39.95**




Calumet is a Full-line Dealer




### Batteries

These rechargeable gel-type nickel cadmium batteries are available in four sizes. All batteries have no memory and are pro-rated warranteed for six years. The three smaller models are supplied with a full-charge indicator and Pepi circuitry for overcharge protection. Charge times based on Trickle Charger.

**Ⓕ #024C Mini Battery**
Recharges in 5–6 hrs. 100 flashes at 200w/s. Weighs 1.5 lbs.
**LU5003 $99.95**

**Ⓖ #025C Regular Battery**
Recharges in 10–12 hrs., 200 flashes at 200w/s. Weighs 2.5 lbs.
**LU5005 $179.95**

**Ⓗ #026C Super Battery**
Recharges in 15–18 hrs., 300 flashes at 200w/s. Weighs 3.5 lbs.
**LU5007 $251.95**

### Replacement Flash Tubes

For 2400w/s Standard Head
**LU7007 $159.95**

For 2400w/s w/Modeling
**LU7005 $156.95**

50w Modeling lamp
**LU7010 $9.95**

### Accessories

Shoe Adapter for Head
**LU6032 $9.95**

#092 Shoulder Strap (replacement)
**LU7004 $8.95**

5' Extension Cord
**LU6004 $39.95**

10' Extension Cord
**LU6008 $39.95**

20' Extension Cord
**LU6002 $55.95**

013 Quick Charger and Vehicle Interface **LU5029 $87.95**

Order Anytime
Day or Night!
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## Two Heads Are Better Than One

### Qpaq-X Command Module

Powers up to two Qflash X Series heads. This 200w/s pack is capable of producing 800w/s from two QflashX2 flashes with optional add-on watt-second modules. Features a removable battery, "fuel gauge" indicators which monitor remaining capacity, and a power mode switch that lets you adjust the watt-seconds to each head. Recycles to 200w/s in 1.8 on "ultra" recycle (2.5 sec. on "normal"). Requires PB1 or PB2 to power module. **CU2500 $462.95**

PB1 high-perfomance, lead acid battery with "no memory" **CU2510 $191.95**

PB2 Nicad Battery **CU2012 $49.95**

**PXC Power Booster (3 Max-Per System)**
Add-on module provides an extra 200w/s of power. **CU2514 $118.95**

| | | |
|---|---|---|
| PDC Dual Battery | **CU2518** | **$159.95** |
| PAC AC Module | **CU2516** | **$160.00** |
| PR1 115V Charger | **CU2524** | **$32.49** |

### Quantum Qflash Model T2

Offers 150w/s of Auto, TTL, Manual or Stroboscopic power adjustable to 1/64th power in 1/3-stops. Program up to four settings and switch to them with the push of a button. Enhanced Manual Mode LCD display shows f/stop and distance for quick manual settings. Options Display shows distance readouts calibrated from normal, wide or diffuser reflector. Infinite Memory retains all settings in chosen mode until you change them. Compatible with all TTL-metered cameras with optional adapters.

Comes with removable reflector, diffuser, ear-phones and power cord. Requires Quantum Turbo Battery. **CU2096 $434.95**

**Quantum Model X2 Flash**
For Qpaq-X, Lumedyne and Norman Power Packs. Same as T2, but with modeling light. **CU2097 $485.95**

### General Qflash Accessories

| | | |
|---|---|---|
| QF13N TTL Canon Adapter | CU2087 | $58.95 |
| QF19 TTL Hasselblad Adapter | CU2093 | $139.95 |

### Model X Accessories

| | | |
|---|---|---|
| QF40 Norman 200 Cable | CU20782 | $52.95 |
| QF41 Norman 400B Cable | CU20784 | $58.95 |
| QF42 Lymedyne Cable | CU2079 | $58.95 |
| QF43 Straight Power Extension | CU20791 | $59.95 |
| QF32 Replacement Flash Tube | CU2077 | $59.95 |
| QF32 UV Replacement Tube | CU20771 | $69.95 |
| QF33 Repl. Modeling Lamp | CU20772 | $12.95 |

### General Flash Accessories

| | | |
|---|---|---|
| QF63 Telephoto Reflector w/QF63S | CU20823 | $67.95 |
| QF63S Flash Spacer for QF63 | CU20824 | $31.49 |
| Cable/Slave for 2Q Flash | CU2083 | $28.49 |
| QF53 Hot Shoe Sync Adapter | CU20833 | $39.49 |
| QF12 Nikon TTL Adapter | CU2086 | $66.95 |
| QF30 Replacement Flash Tube | CU2081 | $38.95 |
| QF30 UV Replacement Flash Tube | CU20812 | $48.95 |
| QF62G Bare Bulb Reflector (Gold) | CU20835 | $29.95 |
| QF62S Bare Bulb Reflector (Silver) | CU20834 | $29.95 |
| QF67 Wide Angle Reflector | CU20825 | $33.49 |

| Sunpak Accessory Chart | 544 | 555 | 622/Super | 120J TTL | Item No. | Price |
|---|---|---|---|---|---|---|
| Dedicated Remote Cord Ext. 11 | | x | x | | SU5012 | $54.95 |
| Dedicated Remote Cord Ext. 10 | | | | x | SU5013 | $49.95 |
| Auto Slave | x | x | x | x | SU4410 | $37.95 |
| AD-26 AC Adapter | x | x | x | x | SU4585 | $46.95 |
| 6 x 6 Quick Release Bracket for Basic Grip | x | x | x | | SU4820 | $39.95 |
| 2' PC Cord | x | | | | SU4736 | $8.95 |
| 5' PC Cord | $9.95 SU4730 | $14.49 SU4735 | $14.49 SU4735 | $14.49 SU4735 | | |
| CL-2 NiCad Cluster | x | x | | | SU4535 | $49.95 |
| QBC-5 Charger for CL-2/NC-510 | x | x | x | | SU4521 | $43.95 |

## Bare Bulb Reflector Flash




### Sunpak 120J AutoPro Kit

This shoe-mount flash features a round, removable, 2-position reflector and swivel head for efficient and flexible lighting. Includes TR-Pak IIa rechargeable battery pack for 1.5 second recycling and 200 flashes per charge at full power manual. Requires dedicated module. **SU4190 $319.95**

120J TTL (same as AutoPro — plus TTL and autofocus.) Requires dedicated module. **SU4200 $349.95**

Metal Shoe for 120J AutoPro **SU4191 $10.95**

### Sunpak Auto 544

Features bounce flash, GN 140 and continuous auto-aperture range of f/2.8 to f/8 (ISO 100) and 7-stop variable power ratio system. Uses 6-AA or 510V power pack. **SU4150 $144.95**

### Sunpak Auto 555

Features bounce flash, full dedication and TTL operation, GN 150 (ISO 100) and provides automatic distance range from 2.3' to 107' and 7-stop auto-aperture range from f/1.4 to f/11. Accepts 6-AA or 510V pack. **SU4161 $189.95**

### Sunpak Dedicated Modules

For 622 Super, 622, 555 and 120J TTL. Requires connecting cord (SU5012).

| | | |
|---|---|---|
| Canon EOS | **SU5023** | **$49.95** |
| Nikon | **SU5022** | **$43.95** |
| Standard | **SU5035** | **$43.95** |



## The Modular Pro-System

### Sunpak Super 622

This versatile flash features interchangeable flash heads and power sources, plus power ratio control from full to 1/128th power, full dedication and TTL capabilities. With zoom head in telephoto position and ISO 100, GN is 270 and auto-distance range is 2.3' to 135'. Includes Zoom Head. **SU4179 $356.95**

| | |
|---|---|
| NiCad Battery Cluster (CL-3) | **SU5026 $115.95** |
| QBC-6 1-hour Charger for CL-3 | **SU5028 $112.95** |
| Conversion Plug Adapter for 510V pack, TR-Pak II and AD-26 AC Adapter | **SU5016 $9.95** |

## Quantum's Portable Power Packs

Location photographers have never had it so good! These rechargeable power packs for on-camera flash offer hundreds of full power flashes from a single charge, fast recycling or extreme portability.

Quantum batteries, unlike alkalines and NiCads, have no "memory" and can be recharged to full capacity at any time, without battery damage. Quantum offers a wide selection of batteries and accessories to fit your shooting needs.

### Turbo Battery

Offers both high-efficiency and high-speed operation! "Fast" mode recycles a GN 110-rated flash in 2 sec. and provides 450 full-power flashes. "Ultra-Fast" cuts recycling to 1 second with 350 flashes. "Auto-flash" recycling drops to fractions of seconds for thousands of flashes! Also features Power Level Monitor and Charging Indicator. Measures 6¾" or 4" x 1¾" and weighs 38 oz. For 6 or 9V flash units. Includes a belt clip. (Requires flash cable.)
**CU2100 $322.95**

### Turbo Z Battery

Weighing just 23 oz., the Turbo Z is ⅓ smaller than the Quantum Turbo battery. Yet, in spite of its size, the Turbo Z provides 300 full-power flashes for Canon, Nikon and Vivitar flashes. and 250 full-power flashes for Metz flash units. Recycle times are as short as 1.5 seconds to full power. Only three hours are needed to charge to full capacity.
**CU2101 $282.95**

### Turbo Battery Accessories

CK Cable for Nikon SB-24/25/26/27/28
**CU2106 $39.95**

CZ Cable for Canon 430EZ
**CU2107 $39.95**

CM-1 Cable for Metz 45CT-1/5
**CU2105 $39.95**

CM-4 Cable for Metz 45CT-3/4
**CU2110 $39.95**

CS5 Cable for Sunpak 611/522/544/555/411
**CU2112 $39.95**

CS6 Cable for Sunpak 622
**CU2115 $62.95**

CV Cable for Vivitar 283/285HV
**CU2102 $35.95**

QT48 Dual Connector
For powering two flashes
**CU2120 $73.95**

QT49 10' Extension Cable
**CU2149 $49.95**







*Battery QB5*

## For Flash and Digital Cameras

### Battery 1+

This lightweight 6V pack will power up to two flash units at once and will save you thousands of dollars compared to replacing AA batteries. The Battery 1+ also offers fast recycling, low battery cutoff, charge complete indicator and electronic circuit breaker. Requires power module. **CU2003 $164.95**

### Battery 1 Power Modules

MA2 Module for Vivitar 283 & 285HV (Locking) **CU20100 $47.95**

MKZ2 Module for Nikon SB-24/25 (Locking) **CU20157 $46.95**

MB2 Module Minolta 4000AF (Locking) **CU20177 $47.95**

MI Module for Minolta 3200i
**CU2021 $49.95**

ME Module for Metz 32 CT/36 CT
**CU2019 $49.95**

MZ2 Module for Canon 420EZ/430EZ (Locking) **CU20192 $54.95**

### Extension Cables & Chargers

QB22 10' Extension for Modules
**CU2031 $35.95**

QB34 Fast Charger (2½ hrs.)
**CU2045 $115.95**

QB35 Vehicle Charger
**CU2055 $84.95**

*For complete Quantum technical brochure, please ask for ZZCU002.*

## Quantum Battery Performance Chart

| | Volts | Flashes/ Charge | Recycle Time | Flash Unit Used |
|---|---|---|---|---|
| Turbo | 6/9 | 350 | 1 sec. | Vivitar 283 |
| | | 265 | 1.5 sec. | Metz 45CT |
| Battery 1+ | 6 | 250 | 3.5 sec. | Vivitar 283 |
| Battery 2 | 9 | 270 | 3.2 sec. | Metz 45CT |

## For Flash and Digital Cameras

### Battery 2

For 9V flash systems, such as Metz and Sunpak 522, 544, 555. Measures 5½ x 3 x 1¾". Requires power module. **CU2002 $207.95**

### Battery 2 Modules & Chargers

MM Module for Metz 45
**CU2012 $52.95**

MS Module for Sunpak 522/544/555
**CU2013 $49.95**

QB23 10' Extension
**CU2032 $39.95**

QB37 Fast Charger (2½ hrs.)
**CU2065 $115.95**

QB36 Vehicle Charger
**CU2075 $84.95**

MDC3 for EOS D2000, DCS520
**CU4999 $29.95**

MDC5 for DCS315, DC50/120
**CU5000 $24.95**

## For Digital Cameras

### Battery QB5

Designed to provide extended operation of Kodak or Canon digital camera systems. This sealed lead cell battery features twin output jacks to power two digital cameras at the same time, a "fuel gauge" LED power monitor, and can be charged hundreds of times with consistent performance. The QB5 measures only 7 x 3 x 1¾" and weighs 36 oz. Requires camera adapter cable.
**EK1087 $214.95**

Adapter Cable for Kodak DCS 420/460 and Canon EOS DCS 3/5 cameras **CU2033 $69.95**




A

## Lumedyne Minicycler and Supercyclers

These lightweight, high-voltage battery supplies are designed for handle- and shoe-mounted electronic flashes with high-volt connectors. They provide more flashes and recycle faster than other high-voltage batteries. With shoe-mounted flashes, you get 400 manual full-power flashes with a 1.3-sec. recycling time. Handle mounted strobes get 300 flashes with a 2-sec. recycling time.

The batteries can be trickle-charged in 5 hours or quick-charged in 2½ hours. They contain circuitry for low-battery warning, overcharge and short-circuit protection. Minicyclers are self-contained with built-in nondetachable batteries. Supercyclers use batteries from the Lumedyne modular flash system.

| | | |
|---|---|---|
| #052C Minicycler | LU6043 | $255.95 |
| B #053Q Supercycler | LU8020 | $122.95 |
| C #052X MiniMegacycler | LU6037 | $309.95 |
| #053X Megacycler | LU6040 | $181.95 |
| #024C Mini Battery | LU5003 | $99.95 |
| #025C Regular Battery | LU5005 | $176.95 |
| #014 Trickle Charger | LU5030 | $16.95 |
| #016 Quick Charger | LU5031 | $24.95 |

*See page 76 for Quantum Turbo Cables for Mini and Supercycler units.*




D




E

## Vivitar 283 and 285HV Flashes

These popular Thyristor® circuitry portable flash units provide long battery life and fast recycle times along with your choice of four auto f/stop settings. Both models offer remote sensing capability, a sufficient-light indicator and an illuminated calculator dial. The Vivitar 283 has an auto-range to 43' with a tilting bounce head. The Vivitar 285HV features an extended automatic range to 70' with a three-position zoom head.

| | | |
|---|---|---|
| D Vivitar 283 | VR4150 | $69.95 |
| E Vivitar 285HV | VR4165 | $89.95 |

### 283 & 285HV Accessories

| | | |
|---|---|---|
| 283/285 SB-4 AC Adapter | VR4510 | $29.95 |
| NiCad NC3 Battery | VR4521 | $29.95 |
| SC-2 Coil Remote Cord | VR4530 | $29.95 |
| SC-3 Coil Remote Cord | VR4532 | $34.95 |
| SC-2 Remote Flash Trigger | VR4573 | $37.95 |
| VP-1 Vari-Power Module | VR4575 | $35.95 |
| PC-1 12" PC Cord | VR4200 | $8.95 |
| PC-31 1m PC Cord | VR4205 | $15.95 |

# New 6 and 9 Volt Packs Gauge Electronic Flashes

## Lumedyne Low Voltage Batteries

A three-digit LED display on Lumedyne's new light, compact 6 and 9 volt battery packs tells you how much flash power is still available. The display counts down battery power used on flash and counts up when charging. With no separate switches, the packs turn on or off with your flash-there is no threat of power drain when your flash is turned off.

Batteries provide 200 flashes per charge and constant recycling times until power is nearly exhausted. With the Lumedyne #016 Charger, full battery power is restored in 2½ hours. While the batteries cannot be overcharged, they also may be discharged completely without damage.

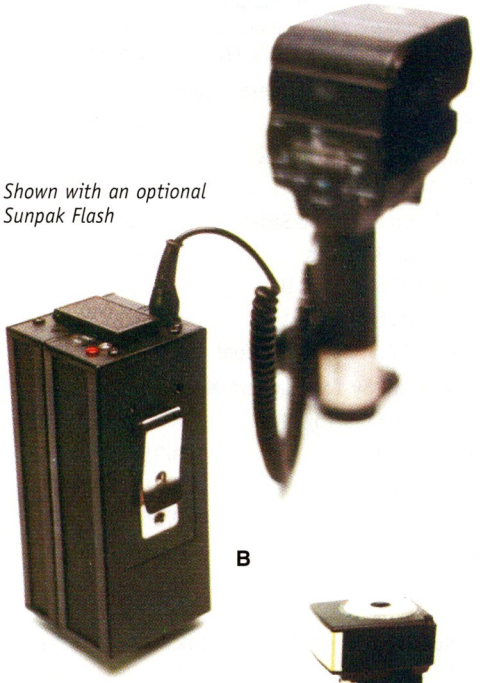
A #LDB1 Lumedyne 6-Volt Digital Display Battery Supply **LU4996 $143.95**

#LDB2 Lumedyne 9-Volt Digital Display Battery Supply **LU4998 $162.95**

#LDK1 Kit with Trickle Charger 6-Volt Digital Battery **LU4997 $154.95**

#LDK2 Kit with Trickle Charger 9-Volt Digital Battery **LU4999 $178.95**

#016 Quick Charger **LU5031 $24.95**



*Shown with an optional Sunpak Flash*

B



C

*Shown with an optional Metz Flash*



CALL TOLL FREE!
1.888.888.9083

## Metz Portable Flash

Over 50 years of dedication to the development and manufacturing of the highest quality electronic flash systems has made Metz of Germany world-famous for professional flash technology. Designed for the most demanding photographers, all Metz models offer the high performance and reliability that professionals need and have grown to expect.



### Ⓐ Metz 50 MZ-5 Flash

A powerful handle-mount flash with digital display, power zoom reflector, built-in modeling/focus light, cooling fan, integrated AF measuring beam, cordless TTL/auto modes, variable fill-flash and rapid recycling mode. Metz 50 MZ-5 with Controller and NiCad battery. Includes 20mm Wide Angle Adapter. **MZ1084 $728.95**

### Metz 45 CL Series

These powerful handle-mount flashes feature auto-thyristor, recycle times from .3 to 13 sec., full bounce control and a choice of alkaline, NiCad or P-50 power pack. All models include W/A adapter, PC cord and quick release bracket. For specs, see chart below.

**Metz 45 CL-1 Auto/Manual Flash**
Features single flash head and easy-to-read analog control. **MZ1090 $246.95**

Metz 45 CL-1 w/NiCad Battery **MZ1025 $309.95**

**Ⓑ Metz 45 CL-4 TTL/Auto/Manual Flash**
Dual flash heads for bounce and fill, easy-to-read analog dial and SCA 300 dedication. **MZ1085 $395.95**

Metz 45 CL-4 w/NiCad Battery **MZ1070 $441.95**

**Ⓒ Metz 40 MZ-3i Flash**
TTL/Auto/Manual/Stroboscopic shoe-mount flash with 24-105 power zoom, 20mm wide angle adapter, swivel bounce control, cordless auto mode, and modeling light. Supports E-TTL metering. **MZ1080 $413.95**

### Metz 60 CT Series



Super-powerful flashes with .2–5 sec. recycling, full bounce control, auto-thyristor and as many as 4,500 flashes per charge with dryfit battery packs.

All models include battery pack, charger, power cord, strap, PC cord and quick release bracket. For specifications, see chart.

**Metz 60 CT-1 with Dryfit Battery**
Single flash head and analog control display. **MZ1051 $595.95**

Metz 60 CT-1 w/NiCad Battery **MZ1045 $613.95**

**Ⓓ Metz 60 CT-4 with Dryfit Battery**
TTL/Auto/Manual flash with two flash heads, LED indicators and SCA 300 system dedication. **MZ1054 $752.95**

Metz 60 CT-4 w/NiCad Battery **MZ1048 $773.95**




*Inset photos at left show top of sensor unit for 50 MZ-5, and the 60 CT-4 in bounce position.*

### Metz SCA Systems

For auto flash exposure with TTL cameras. Select SCA System adapter and module for your camera.

**SCA 300 System Adapter**
For 45 CL-3 & CL-4 and 60 CT-4. Requires dedicated camera module. **MZ2500 $26.95**

**SCA 3000A System Adapter**
For 45 CL-3 & CL-4 and 60 CT-4. Requires dedicated camera module. **MZ1591 $68.95**

**SCA 300 System Camera Modules**

| | | |
|---|---|---|
| For Minolta i Series | MZ2017 | $93.95 |
| For Canon A and T Series | MZ2027 | $53.95 |
| For Canon EOS Series | MZ2050 | $94.95 |
| For Nikon FA and FE Series | MZ2150 | $47.95 |
| For Nikon AF Series | MZ2060 | $94.95 |
| For Mamiya 645 Pro TL | MZ2065 | $198.95 |
| For Hasselblad | MZ2165 | $219.95 |
| SCA 300 4.5' Coiled Extr. Cord | MZ2161 | $39.95 |

**SCA 3000 System Camera Modules**

| | | |
|---|---|---|
| For Nikon F100/F5/N90S | MZ1581 | $73.95 |
| For Canon EOS | MZ1582 | $73.95 |
| For Contax | MZ1586 | $73.95 |
| For Leica | MZ1585 | $73.95 |
| For Pentax | MZ1583 | $73.95 |
| For Minolta | MZ1580 | $73.95 |

**Metz Standard PC Cords**

| | | |
|---|---|---|
| 45 CT-3, 4 and 60 CT-4 | MZ3082 | $13.95 |
| 45 CT-5 and 60 CT-1, 2 | MZ3105 | $19.95 |

**Metz 3' Coiled PC Cords**

| | | |
|---|---|---|
| 45 CT-1 | MZ3050 | $15.95 |
| 45 CL-1, 3, 4 and 60 CT-4 | MZ2550 | $16.95 |
| 45 CT-5 and 60 CT-1,2 | MZ3060 | $18.95 |

**Metz3' Straight PC Cords**

| | | |
|---|---|---|
| 45 CT-3, 4 and 60 CT-4 | MZ2530 | $15.95 |
| 15' PC Extension Cord | MZ3075 | $17.95 |

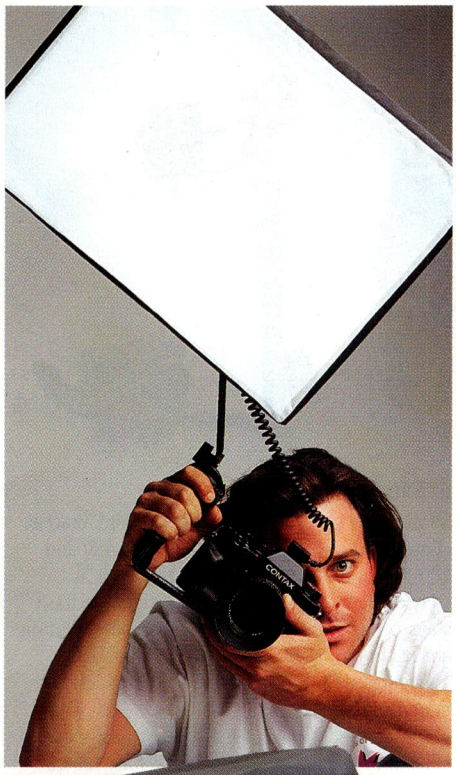
### Metz 40/45/50/60 Accessories

| | | |
|---|---|---|
| Dryfit Battery for 60 | MZ1145 | $74.95 |
| NiCad Battery for 60 | MZ1150 | $112.95 |
| NiCad Battery for 45 | MZ1115 | $62.95 |
| NiCad Cluster and Charger for 45 Series | MZ1110 | $99.95 |
| P-50 Power Pack f/45 & 50 Ser. | MZ1105 | $341.95 |
| P-40 Power Pack f/32 & 40 Ser. | MZ1100 | $159.95 |
| V-50 Cable for 50MZ5 | MZ1108 | $23.95 |
| V-45 Cable for 45 CL Series | MZ1107 | $23.95 |
| V-32 Cable for 32 Series | MZ1103 | $41.95 |
| V-40 Cable for 40 Series | MZ1102 | $41.95 |
| AA Battery Holder for 45 Series | MZ1125 | $28.95 |
| NiCad Charger for 45/60-Series | MZ1120 | $44.95 |

| Specifications | 40MZ-3i | 45CL-1 | 45CL-4 | 50MZ-5 | 60CT-1 | 60CT-4 |
|---|---|---|---|---|---|---|
| Guide No. | 131 | 148 | 148 | 164 | 197 | 197 |
| Auto Apertures | 12 f/1–45 | 5 f/2.8–11 | 6 f/2.8–16 | 12 f/1–45 | 6 f/2–11 | 8 f/2–22 |
| Auto Range | Variable | 1.5–53' | up to 175' | Variable | 1–99' | up to 200' |
| Weight | 14 oz. | 24 oz. | 25 oz. | 2.5 lbs. | 5.1 lbs. | 5.5 lbs. |
| Manual Ratio | 1/256 full | 1 | 3 | 1/256 full | 1 | 9 |
| NiCad Battery (No. of Flashes) | 60–1200 | MZ1115 50–2000 | MZ1115 50–2000 | MZ1117 60-2500 | MZ1150 50–2000 | MZ1150 50–2000 |
| Dryfit Battery (No. of Flashes) | — — | — — | — — | — — | MZ1145 180–4500 | MZ1145 180–4500 |
| AA Batt. (No. of Flashes) | 100–3000 | 120–2600 | 120–2600 | — | — | — |
| Handle Power Pack (No. of Flashes) | MZ1143 160 at full | MZ1143 250 at full | MZ1143 250 at full | MZ1106 180 at full | — — | — — |

*For a free Metz Technical Brochure, ask for ZZMZ000.*

# On-Camera Soft Boxes





## Chimera Mini Lightbanks

For soft, even illumination, the portable Chimera Mini transports easily for location or portraiture assignments, or in the studio for small format work. The Mini's front screens are made of translucent white diffusion material while the lightbanks are made with black rip-stop nylon exteriors with white or silver interiors.

Mini units can transform harsh light into soft even illumination that wraps around your subject without shadows. Compact and lightweight, these lightbanks adapt to either shoe or handle-mount portable strobes. Requires speed ring to attach to flash head (see below) and a flash bracket of your choice.

White Mini 12 x 16" **CH1180 $64.95**

Silver Mini 12 x 16" **CH1196 $69.95**

### Speed Ring Adapters for On-Camera Flash

For Large Shoe Mount Flash (e.g. Vivitar 283)
**CH1421 $42.95**

Universal Handle Mount (Metz 45 & Sunpak 555)
**CH1427 $32.95**

For Sunpak 622
**CH1435 $47.95**

For Norman 200B Flash/LH2 **CH1424 $23.95**

For Lumedyne Flash **CH1425 $56.95**



## Photoflex Extra Small Litedome

This on-camera soft box produces soft, even light from battery powered flash units. Ideal for location and studio shots, it features a 12 x 16" translucent white front panel with a silver interior for greater light efficiency. Includes strobe connector which enables you to attach light stands, booms or flash bracket. Requires dedicated flash mounting hardware. **LT0805 $59.95**

### Extra Small Litedome Flash Mounts

| | | |
|---|---|---|
| Lumedyne, Quantum Q, Norman | LT4015 | $37.95 |
| Shoe Mount | LT4050 | $14.95 |
| 38-45mm Rnd. Handle | LT4160 | $14.95 |
| Metz Handle | LT4180 | $15.95 |



## Micro Apollo Light Modifier

Fits all portable bounce flashes for soft, even, diffused lighting. Features 5 x 8" front panel. Includes mounting hardware. Works with manual, automatic and TTL units and some may require off-camera sensor devices. **HL0995 $36.95**

## Lumiquest FX



This colored gel system is designed to fit most popular flash units. The Lumiquest FX consists of five colored gels (blue, green, red, yellow, and amber) and a convenient filter holder. The FX enables photographers to quickly colorize the light for a variety of special effects applications. When not in use, the system folds flat and fits into a convenient storage pouch. **LQ2030 $29.95**

## LumiQuest Flash Accessories

This unique line of light control accessories was designed with the Vivitar 283 and 285 in mind but can be used with most hot shoe type flash units. Great for quick photo opportunities.



**LumiQuest Pocket Bouncer**
Redirects light at a 90° angle with only 1⅓-stop light loss.
**LQ1000 $21.95**



**LumiQuest Soft Box**
Diffuses the light with strobe in direct flash position. 1¼-stop light loss.
**LQ2010 $29.95**



**LumiQuest 80-20**
Redirects 20% "fill" light at a 90° angle and allows 80% to bounce off of ceiling.
**LQ1010 $22.95**



**LumiQuest Ultrasoft**
Frosted diffuser softens the 90° redirected light. 2⅓-stop light loss.
**LQ1020 $22.95**



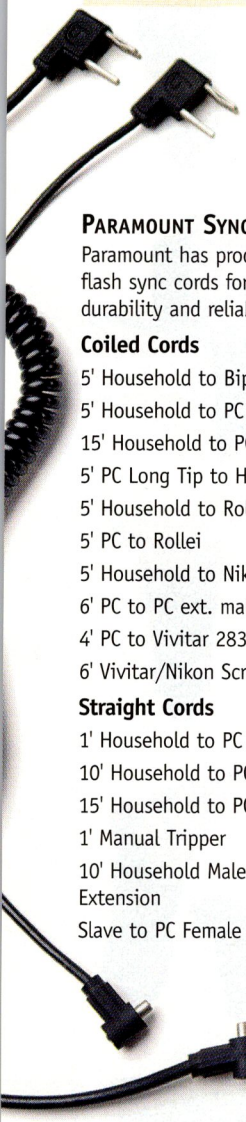
**LumiQuest Big Bounce**
This over-sized Ultrasoft produces a softer light. 3-stop light loss.
**LQ1030 $32.95**



**LumiQuest ProMax System**
Includes 80-20, Ultrasoft, white, gold and silver inserts and a removable frosted diffusion screen.
**LQ2015 $44.95**

## Stroboframe Brackets

Stroboframe offers a complete system of flash brackets for professional candid photography. No matter what type of 35mm or medium format camera you own, no matter what kind of on-camera flash you use, no matter what your special requirements are, Stroboframe has the flash bracket and accessories to fit your needs.



### Paramount Sync Cords

Paramount has produced the finest heavy-duty flash sync cords for over 30 years. Designed for durability and reliability.

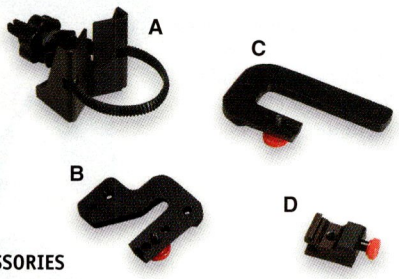
**Coiled Cords**

| | | |
|---|---|---|
| 5' Household to Bipost | PN1005 | $18.95 |
| 5' Household to PC | PN1008 | $16.95 |
| 15' Household to PC | PN1010 | $33.95 |
| 5' PC Long Tip to Household | PN1012 | $19.95 |
| 5' Household to Rollei | PN1013 | $16.95 |
| 5' PC to Rollei | PN1021 | $16.95 |
| 5' Household to Nikon Screw | PN1015 | $16.95 |
| 6' PC to PC ext. male-female | PN1023 | $16.95 |
| 4' PC to Vivitar 283 | PN1033 | $17.95 |
| 6' Vivitar/Nikon Screw | PN1035 | $19.95 |

**Straight Cords**

| | | |
|---|---|---|
| 1' Household to PC | PN2005 | $12.95 |
| 10' Household to PC | PN2015 | $17.95 |
| 15' Household to PC | PN2018 | $19.95 |
| 1' Manual Tripper | PN2020 | $18.95 |
| 10' Household Male to Female Extension | PN2025 | $17.95 |
| Slave to PC Female Adapter | PN3005 | $13.95 |






### Accessories

| | | |
|---|---|---|
| Shoe Flash Mount | S07613 | $12.95 |
| Ⓐ Handle Flash Mount | S07614 | $15.95 |
| Ⓑ Metz Quick Release Shoe | S07063 | $19.95 |
| Ⓒ Universal Flash Mounting Arm | S07059 | $13.95 |
| Ⓓ Accessory Shoe | S07012 | $9.95 |




### Ⓔ Pro-T Bracket

Here's a light, compact and fast-handling bracket for all 35mm and medium format cameras. The flash arm rotates clockwise to keep the flash centered over the lens while still providing a 3° downward tilt in both vertical and horizontal positions.

Unlike conventional brackets, the Pro-T is designed to hold the camera rather than the bracket — a more natural position that allows you to switch instantly between horizontal or vertical compositions. Net weight: 14 oz. Bracket Height: 9¼". Includes ¼"-20 Flash Mount.
**S07712 $89.95**

### Ⓕ Pro-SQ Bracket

The most advanced square-format bracket, the Pro-SQ offers handling ease identical to the Pro-RL, except that it has a fixed, non-rotating camera platform. The flash is centered high over the lens, eliminating side-shadows and "red-eye." The bracket's one-handed, instant flash height adjustment allows you to position the flash 11-18" above the lens by simply twisting a knob and lifting the flash arm. Bracket Height: 14". Nominal lens-to-flash distance: 11-18".
**S07815 $109.95**



### Quick Flip Flash Brackets

Features a pivoting flash arm to keep flash over the lens in both horizontal and vertical postions. Flash window stays parallel to the film format for wider flash coverage.
Quick Flip 350 **S07050 $55.95**
Quick Flip 120 **S07051 $63.95**

### Ⓖ Pro-RL Bracket

Stroboframe's most advanced Rotary-Link bracket allows you to rotate your camera instantly and effortlessly from vertical to horizontal compositions with a flick of the wrist. The flash stays centered over the lens for optimum lighting quality in either position while the bracket's rotating system locks in horizontal position with fingertip ease.

The bracket's one-handed, instant flash height adjustment allows you to raise the flash 11-18" above the lens with a simple twist of a knob. Its unique "kickstand" pivots out to securely support and stabilize the bracket when it is set on table or floor. Plus, Pro-RL's solid, machined components offer optimum rigidity.

Pro-RL is fully compatible with cameras fitted with accessory battery packs or motor drives and accepts all Stroboframe flash mounts, Camera Anti-Twist Plates and quick-release accessories. Bracket Height: 14". Nominal lens-to-flash distance: 11-18". **S07810 $119.95**

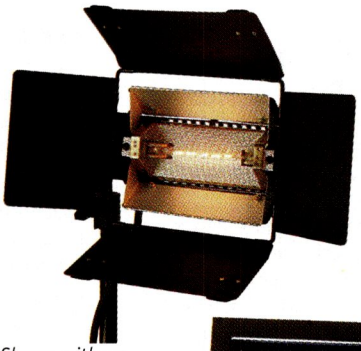


### Camera Anti-Twist Plates

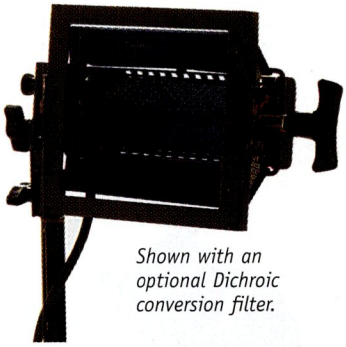
Stroboframe's unique plates act as an interface between the camera and bracket. Sold separately for specific camera configurations, the plates pin-register to the bracket and conform to the camera's base plate locking the camera to the bracket to prevent twisting.

| | | |
|---|---|---|
| Nikon F4 or F4s w/MB-21 | S07627 | $12.95 |
| Nikon N90, N90s | S07617 | $12.95 |
| Nikon 90s w/MB-10 | S07615 | $12.95 |
| Canon EOS-1 or EOS-1N w/BP-E1 or Power Drive Booster E1 | S07615 | $12.95 |
| Mamiya (except Mamiya 6 & 7) | S07618 | $12.95 |
| Hasselblad | S07626 | $12.95 |





*Shown with an optional 4-Leaf Barn Door.*



*Shown with an optional Dichroic conversion filter.*

## Powerful, Efficient Spots

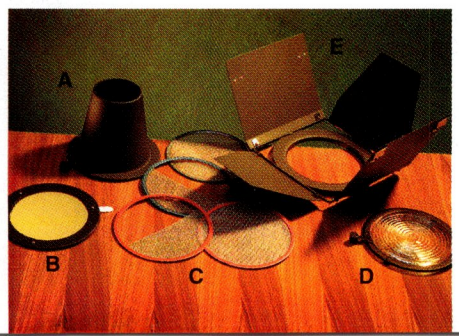
### Calumet Tungsten Variable Spot Lights

When it comes to the quality of light, Calumet Tungsten shines above the rest. Our Variable Spot Light delivers 650 watts of clean light in varying degrees. Carefully designed reflectors produce exceptionally smooth illumination that eliminate hot spots without reducing light output.

Whether you're using tungsten on location or in the studio, for still or video, you'll be impressed with the fast set up of Calumet's lightweight system. Its simple design makes adjustments a breeze, with built-in accessory holders and adjustable yokes for positive angle positioning. Calumet's broad selection of accessories — from barn doors, Fresnel lenses, scrims, snoots and dichroic filters — handle most lighting situations.

These versatile, variable angle spots feature:

- Portable, lightweight construction of rugged, heat-resistant fiberglass
- Smooth, continuous focusing via cam movements provide vibration-free beam angle adjustments and longer lamp life
- Accessory Fresnel lens can be added for diffused lighting or easily removed for stronger illumination
- Built-in accessory holder with quick-access and lock-in capabilities
- Convenient in-line on/off switch, 5/8" mount and 20' cable
- 1-Year Warranty




Exclusive Calumet

### 650w Variable Spot Light

Features adjustable beam angle of 30 to 70° and focus ratio of 3:1. Measures 8(h) x 8½(d) x 13"(w). Weighs 5 lbs. Includes light, safety glass, accessory holder with lock. Requires FAD 650w Lamp.
**LM1005 $199.95**

### 650w Fresnel Spot Light Kit

Includes 650w variable spot light and Spot Fresnel Lens. Requires FAD 650w Lamp.
**LM1006 $279.95**

FAD 650w 3200 K Lamp
**WIFAD $16.95**

### 650w Variable Spot Accessories

Ⓐ Snoot
**LM1140 $49.95**

**Ⓑ Dichroic Conversion Filter**
Converts 3200 K to average daylight with light loss of 1-stop. UV absorbing. (mounted)
**LM1120 $139.95**

**Ⓒ Scrim Set**
Includes 2 full and 2 half-scrims with fine and coarse screens. **LM1110 $84.95**

Ⓓ Fresnel Lens (mounted)
**LM1150 $54.95**

**Ⓔ 4-Leaf Revolving Barn Doors**
With built-in filter clips.
**LM1100 $59.95**

## New Light Handles it All– from Copy Work to Big Interiors

### Calumet 1000w Minibroad Quartz Light

This compact, lightweight (only 1 lb. 12 oz.) tungsten floodlight delivers an exceptionally smooth field of light output up to 1000 watts.

- **Compact Unit**
  The Minibroad is so compact and lightweight it can fit into your jacket pocket when folded.
- **Variable Reflectors**
  The unit's built-in, movable reflectors not only give perfect control to the area of illumination but offers added protection to the lamp when closed. The reflectors close like a clam to safely protect the lamp during travel and storage.
- **Safety First**
  The head is fitted with a safety mesh and anti-surge resistor to reduce lamp failure and is fitted with a 17' detachable main cable, an in-line on/off switch and fused plug (UK).

Because of its broad, even light pattern, the Calumet 1000w Minibroad Light is perfect for copy work and illuminating large rooms on location–great for large artwork or architectural lighting. For additional control, this system easily adapts to a wide range of accessories. Dimensions (without barn door): 11(l) x 3(w) x 4"(h). Accepts 1000, 800 or 625w tungsten lamps (sold separately).
**LM4005 $199.95**

FCM 1000w Lamp **WIFCM $17.95**

### Minibroad Accessories

For additional light control with the Minibroad Light, a number of accessories are available. The detachable four-leaf barndoor gives added control to the area of illumination and can be used with the dichroic filter that converts tungsten light from 3200 K to continuous daylight 5600 K.

| | | |
|---|---|---|
| 4-Leaf Barn Door | LM4020 | $59.95 |
| Replacement Safety Screen | LM4025 | $24.95 |

## Arri Fresnel Systems

Famed for their quality, even light distribution, Arri Fresnel Systems are highly respected among still photographers and cinematographers alike for their accuracy, design and durability. Each Arri Fresnel has up to a 60° beam angle — with a spherical, specular, high-purity aluminum reflector — featuring ribbed aluminum housing and 25' cable with rugged in-line switch. 2000w and 5000w models include grounded three-prong plugs.




### Arri Compact HMI

HMI lights generate three to four times the light of tungsten halogen lamps, consume up to 75% less energy for that same luminous flux, offer continuous color spectrum, a daylight color temperature of 5600 K, and generate less heat. Arri's HMI Fresnels offer spot focus control and high-intensity HMI PAR fixtures with five beam control lenses. Arri ballasts are flicker free to 10,000 fps and shutter speeds to 1/10,000 sec.

**Arri Compact HMI 1200w Head**
With 6.9" lens diameter and choice of 5/8" or 1 1/8" stand mounts. Weighs 22 lbs. Lamp not included.
**AX8000 $2719.00**

| | | |
|---|---|---|
| Arri Electrical 1200w Ballast | AX8018 | $2869.00 |
| 50' Head/ Ballast Cable | AX8004 | $329.95 |
| 25' Head/ Ballast Cable | AX8002 | $284.95 |
| 1200w HMI Lamp | AX8014 | $397.95 |
| Four Leaf Barn Door | AX8006 | $69.95 |
| Filter Frame for 1200w HMI | AX8010 | $27.95 |

*See pages 50, 51 for more Arri system accessories.*

*Other Arri HMI units are available. Call for details.*

### 150w Baby Fresnel

Color Temp: 3200 K
Approx. lamp life: 150 hrs.
Weight with cable: 2.3 lbs.
Lens: 2" (50mm) low expansion borosilicate Fresnel

Spot Focus (beam angle 11.5°)
Beam Diameter: 0' from 3', 3' from 15'

Flood Focus (beam angle 42°)
Beam Diameter: 2.3' from 3', 11.5' from 15'

Arri 150w Fresnel (requires lamp) **AX0500 $255.95**

**150w Plus Fresnel Lamp & Accessories**

| | | |
|---|---|---|
| Four Leaf Barndoor | AX0506 | $42.49 |
| Filter Frame | AX0508 | $12.95 |
| Snoot | AX0510 | $35.49 |
| 3" Full Scrim | AX0512 | $9.49 |
| 3" Full Double Scrim | AX0516 | $9.95 |



### 300w Plus Fresnel

Color Temp: 3200 K
Approx. lamp life: 150 hrs.
Weight with cable: 6.5 lbs.
Lens: 3.2" (80mm) low expansion borosilicate Fresnel

Spot Focus (beam angle 15°)
Beam Diameter: 1.3' from 5', 6.6' from 25'

Flood Focus (beam angle 49°)
Beam Diameter: 4.6' from 5', 22.8' from 25'

Arri 300w Plus Fresnel (requires lamp) **AX1000 $329.95**

**300w Plus Fresnel Lamp & Accessories**

| | | |
|---|---|---|
| 300w FKW Lamp | WIFKW | $38.95 |
| 4-Leaf Barn Door | AX1010 | $49.95 |
| Filter Frame | AX1020 | $19.95 |
| Snoot | AX1040 | $59.95 |
| 5" Full Single Scrim | AX1060 | $9.95 |
| 5" Full Double Scrim | AX1080 | $9.95 |



### 650w Plus Fresnel

Color Temp: 3200 K
Approx. lamp life: 150 hours
Weight with cable: 7.1 lbs.
Lens: 4.3"(110mm) low expansion borosilicate Fresnel

Spot Focus (beam angle 14.5°)
Beam Diameter: 1.3' from 5', 6.4' from 25'

Flood Focus (beam angle 52°)
Beam Diameter: 4.9' from 5', 24.4' from 25'

Arri 650w Plus Fresnel (requires lamp) **AX2000 $375.95**

**650w Plus Fresnel Lamp & Accessories**

| | | |
|---|---|---|
| 650w FRK Lamp | WIFRK | $38.95 |
| 4-Leaf Barn Door | AX2010 | $59.95 |
| Filter Frame | AX2020 | $23.95 |
| Snoot | AX2040 | $74.95 |
| 6 5/8" Full Single Scrim | AX2060 | $9.95 |
| 6 5/8" Full Double Scrim | AX2080 | $12.95 |

### 2000w Fresnel

Color Temp: 3200 K
Approx. lamp life: 300 hours
Weight with cable: 17.5 lbs.
Lens: 6.9" (175mm) low expansion borosilicate Fresnel

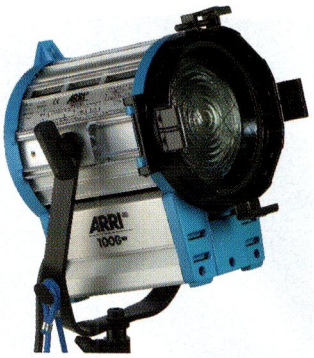
Spot Focus (beam angle 15°)
Beam Diameter: 4' from 15', 10.5' from 40'

Flood Focus (beam angle 60°)
Beam Diameter: 17.3' from 15', 46.2' from 40'

Arri 2000w Fresnel (requires lamp) **AX4000 $699.95**

**2000w Fresnel Accessories**

| | | |
|---|---|---|
| 2000w CYX Lamp | WICYX | $64.95 |
| 4-Leaf Barn Door | AX4010 | $78.95 |
| 8-Leaf Barn Door | AX4020 | $117.95 |
| Filter Frame | AX4030 | $27.95 |
| Snoot | AX4050 | $117.95 |
| 9" Full Single Scrim | AX4070 | $13.95 |
| 9" Full Double Scrim | AX4090 | $14.95 |



### 1000w Plus Fresnel

Color Temp: 3200 K
Approx lamp life: 250 hours
Weight with cable: 11.2 lbs.
Lens: 5.1"(130mm) low expansion borosilicate Fresnel

Spot Focus (beam angle 11°)
Beam Diameter: 1.9' from 10', 5.8' from 30'

Flood Focus (beam angle 60°)
Beam Diameter: 10.9' from 10', 32.6' from 30'

Arri 1000w Plus Fresnel (requires lamp) **AX3000 $497.95**

**1000w Plus Fresnel Lamp & Accessories**

| | | |
|---|---|---|
| 1000W EGT Lamp | WIEGT | $41.95 |
| 4-Leaf Barn Door | AX3010 | $74.95 |
| 8-Leaf Barn Door | AX3020 | $109.95 |
| Filter Frame | AX3030 | $23.95 |
| Snoot | AX3050 | $95.95 |
| 7" Full Single Scrim | AX3070 | $13.95 |
| 7" Full Double Scrim | AX3090 | $15.95 |

### 5000w Fresnel

Color Temp: 3200 K
Approx. lamp life: 500 hours
Weight with cable: 34 lbs.
Lens: 10" (250mm) low expansion borosilicate Fresnel

Spot Focus (beam angle 13°)
Beam Diameter: 4.6' from 20', 11.4' from 50'

Flood Focus (beam angle 62°)
Beam Diameter: 24' from 20', 60' from 50'

Arri 5000w Fresnel (requires lamp) **AX5000 $1129.00**

**5000w Fresnel Accessories**

| | | |
|---|---|---|
| 5000w DPY Lamp | WIDPY | $239.95 |
| 4-Leaf Barn Door | AX5010 | $92.95 |
| 8-Leaf Barn Door | AX5020 | $125.95 |
| Filter Frame | AX5030 | $36.95 |
| Snoot | AX5050 | $128.95 |
| 13" Full Single Scrim | AX5070 | $19.95 |
| 13" Full Double Scrim | AX5090 | $21.95 |

*Arri Studio Fresnel also available in 10,000, 12,000 and 24,000 watts. Please call for details.*

## Arri Tungsten

These open-face tungsten units are an excellent source of focusing light for commercial studio applications. Arri Tungsten units also work superbly as a digital lighting system.

### Arrilite 600

Color Temp: 3200 K
Approx. lamp life: 75 hours
Weight with cable: 3.6 lbs.
Spot Focus (beam angle 34°)
Beam Diameter: 3' from 5', 12.2' from 20'
Flood Focus (beam angle 90°)
Beam Diameter: 10' from 5', 40' from 20'

| | | |
|---|---|---|
| Arrilite 600 Unit | **AX7000** | **$282.95** |

**Arrilite 600 Lamp & Accessories**

| | | |
|---|---|---|
| 600w DYS Lamp | WIDYS | $12.95 |
| 4-Leaf Barn Door | AX7002 | $49.95 |
| 5" Full Single Scrim | AX7006 | $9.95 |
| 5" Full Double Scrim | AX7010 | $11.95 |

### Arrilite 650

Color Temp: 3200 K
Approx. lamp life: 100 hours
Weight with cable: 5.2 lbs.
Spot Focus (beam angle 24°)
Beam Diameter: 2.2' from 5', 11.5' from 25'
Flood Focus (beam angle 70°)
Beam Diameter: 7' from 5', 35' from 25'

| | | |
|---|---|---|
| Arrilite 650 Unit | **AX7030** | **$293.95** |

**Arrilite 650 Lamp & Accessories**

| | | |
|---|---|---|
| 650w FAD Lamp | WAFAD | $16.95 |
| 4-Leaf Barn Door | AX7032 | $59.95 |
| 7¼" Full Single Scrim | AX7034 | $11.95 |
| 7¼" Full Double Scrim | AX7038 | $13.95 |

*Arritlite 1000 shown with optional 4-Leaf Barn Door*



### Ⓓ Arrilite 1000

Color Temp: 3200 K
Approx. lamp life: 150 hours
Weight with cable: 5.2 lbs.
Spot Focus (beam angle 24°)
Beam Diameter: 2.2' from 5', 10.8 from 25'
Flood Focus (beam angle 65°)
Beam Diameter: 6.5' from 5', 32.5' from 25'

| | | |
|---|---|---|
| Arrilite 1000 Unit | **AX7050** | **$293.95** |

**Arrilite 1000 Lamp & Accessories**

| | | |
|---|---|---|
| 1000w DXW Lamp | WIDXW | $28.95 |
| 4-Leaf Barn Door | AX7032 | $59.95 |
| 7¼" Full Single Scrim | AX7034 | $11.95 |
| 7¼" Full Double Scrim | AX7038 | $13.95 |

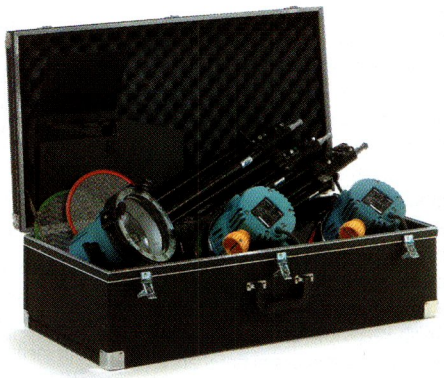
### Arrilite 2000

Color Temp: 3200 K
Approx. lamp life: 400 hours
Weight with cable: 8.1 lbs.
Spot Focus (beam angle 19°)
Beam Diameter: 3.4' from 10', 10.2 from 30'
Flood Focus (beam angle 56°)
Beam Diameter: 10.6' from 10', 31.8' from 30'

| | | |
|---|---|---|
| Arrilite 2000 Unit | **AX7060** | **$415.95** |

**Arrilite 2000 Lamp & Accessories**

| | | |
|---|---|---|
| 2000w FEY Lamp | WIFEY | $72.95 |
| 4-Leaf Barn Door | AX7062 | $92.95 |
| 10" Full Single Scrim | AX7064 | $14.95 |
| 10" Full Double Scrim | AX7068 | $16.95 |



### Arrilite 1000/3 Compact Kit

Economical, powerful and compact — everything a location photographer needs. Includes three Arrilite 1000w lights and three each of the following accessories: barn doors, 7¼" Full Single Scrims, 7¼" Full Double Scrims, DXW 1000w lamps and AS-01 stands. The entire kit easily fits into its lightweight compact case which is included.
**AX7052 $1495.00**

## A Tabletop Essential!

### Ⓔ Photogenic Minispot Spotlight

While it weighs only 2¼ lbs. and measures less than 6" high, the versatile Minispot powers a 200 watt lamp and produces a focusable beam from a small intense spot to broad flood of smooth light. Ideally suited as a highlight for portraits or small products. Features an adjustable yoke with ⅜" mount and 15' cable with in-line switch. Dimensions: 5¾ x 5 x 4". Requires 200w FEV lamp.
**PG2100 $174.95**

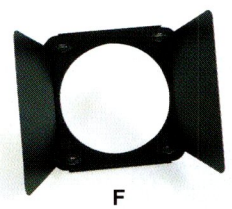
| | | |
|---|---|---|
| 200w FEV Lamp | **WIFEV** | **$15.95** |

D



E

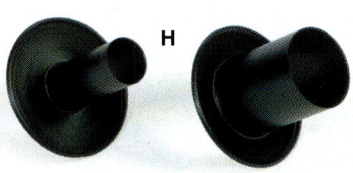




F



G



H

**Minispot Accessories**

| | | |
|---|---|---|
| Ⓕ Barn Doors (#7804) | PG2108 | $56.95 |
| Ⓖ Diffuser (#7801) | PG2104 | $19.95 |
| Ⓗ Snoots, set of 2 (#7802) | PG2106 | $39.95 |

# First in a New Family of Fresnels

## Ⓐ Lowel Fren-L 650

The Fren-L 650 features an impressive 8:1 focusing range, from a wide, smooth flood to a tight, intense spot. Rack-and-pinion lamp carriage glides on ball bearings for smooth, fail-safe focusing.

A curved Schott Fresnel lens produces sharp shadow quality with excellent edge modulation and control. Double-wall convection cooling ensures high lamp life while a durable, heat-resistant silicon finish keeps the unit cool on the outside and reduces maintenance. An over-sized, swing-down handle, large focusing knob and a very practical single-arm yoke design make all positioning controls safe, precise and efficient.

A quick-wrap, removable, 16' power cable is convenient for going out on location. Choose from a unique array of Fren-L accessories, including barn door flaps which are expandable or instantly removable, drop-in scrims which lock in instantly, and a snoot which holds various shaped patterns. The Fren-L 650 is also compatible with many of Lowel's Tota, Omni, DP, Pro- and i-light control and mounting accessories.

An accessory bracket accepts umbrellas, gel frames and Flexi-shaft. The Fren-L 650 mounts on a 5/8" stud and is capable of accepting 650, 500 and 300 watt lamps. Comes with barn doors and cable. Includes a 2-year fixture warranty. Requires lamp. **LW0900 $399.95**

| | | |
|---|---|---|
| FRK 650w lamp | WIFRK | $38.95 |
| Full Scrim | LW0914 | $7.95 |
| 1/2 Scrims | LW0916 | $7.95 |
| Snoot | LW0912 | $59.95 |

## Ⓑ Lowel DP Light

A compact focusing light with continuously variable 8:1 spot/flood range. Standard reflector produces a smooth flood pattern, full spot produces a center intensity equal to many 2000 watt units. Weighs under 4 lbs. Includes removable 16' cable and 5/8" mount. **LW3500 $174.95**

| | | |
|---|---|---|
| 1000w Lamp | WIFEL | $27.95 |
| 750w Lamp | WIEHF | $39.95 |

### Accessories

**Complete Barn Door**
Frame with two triangular and two rectangular leaves. **LW3515 $76.95**

Diffused Glass (softens, absorbs U.V.) **LW3535 $36.95**

DP Dichroic Filter (3200 K to daylight) **LW3540 $116.95**

Full Scrim (nearly one-stop reduction) **LW3555 $17.95**

## Ⓒ Lowel Omni-light

A 6:1 spot/flood range makes this an excellent general purpose light. It's also portable (weighing only 27 oz.) and versatile, with assistance from the Omni-System and many Tota-System lighting accessories. Includes 16' removable cable and 5/8" mount. Requires lamp. **LW1005 $149.95**

500w Lamp **WIEKB $19.95**

### Omni-light Accessories

Complete Barn Door (rotates 360° holds two accessories) **LW3140 $59.95**

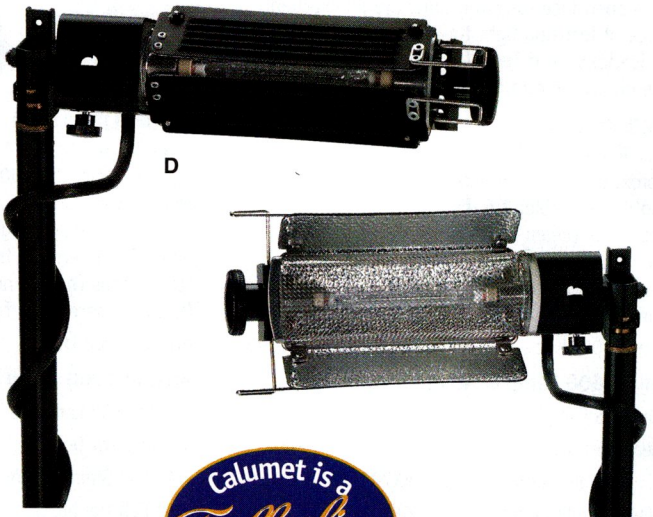
Diffused Glass (softens, absorbs U.V.) **LW3160 $34.95**

Dichroic Filter (3200 K to daylight) **LW3165 $89.95**

Full Scrim (nearly 1-stop reduction) **LW3180 $15.95**

OmniGraduated Scrim (rotates 360°) **LW3190 $19.95**

*Note: Lamps are not included with light units listed on this page, and must be ordered separately.*




Calumet is a Full-line Dealer

## Ⓓ Lowel Tota-light

This compact, lightweight (22 oz.) tungsten unit is both flexible and powerful (capable of up to 750 watts output). Perfect for location shooters as well as for copying large artwork. Its efficient reflector design allows coverage of up to four walls with less than a 1/2-stop variation while its adjustable barn doors offer precise angle control. The Tota-light closes up like a clam for travel and storage, measures 2 x 3 x 11" closed and includes a 16' detachable cable. It mounts to 5/8" or smaller studs. Additional light control and mounting options are available via a wide range of dedicated accessories. Requires lamp. **LW1000 $134.95**

### Accessories

**Lamps**

| | | |
|---|---|---|
| 750w Lamp | WIEJG | $29.95 |
| 500w Lamp | WIFDN | $17.95 |

**Tota-flector**
8 x 12" panel snaps onto Flexi-shaft.
**LW3060 $27.95**

**Tota-Clamp**
Clamps onto objects up to 1 7/8", has 5/8" stud and 1/4 -20 socket. Accepts two Flexi-shafts. **LW3070 $19.95**

**Tota-frame**
Holds 12" gels. Recommended for lamps up to 500 watts.
**LW3010 $31.95**

**Tota-brella (27")**
**LW3015 $28.95**

**Tota-flag**
8 x 12" panel snaps onto Flexi-shaft.
**LW3040 $19.95**

**16" Flexi-shafts**
Two 16" flexible arms hold and positio flags, reflectors, ect.
**LW3030 $26.95**

*For additional Tota-light accessories call for details.*




*Shown without standard barn doors*

A



B



C



B

Next Day Delivery!

## Battery-Powered Portable Great for News & Documentary!



### Ⓐ Lowel i-light

This 12V focusing light uses inexpensive 55w and 100w automobile halogen lamps and connects directly into an automobile cigarette lighter. It is supplied as a complete set with 100w lamp, stand-fitting, handle, Cam-link and Low-link (the latter two for camera-top mounting). The i-light accepts the same accessories as the Pro-light.
**LW1030 $149.95**

Replacement i-100 lamp for i-light
**LW1032 $11.95**

**Accessories for Pro and i-Lights**

| | | |
|---|---|---|
| 4-Way Barn Door | LW5020 | $35.95 |
| 2-Way Barn Door | LW5025 | $21.95 |
| Barn Door Frame | LW5021 | $11.95 |
| Swing-in Accessory Holder | LW5030 | $11.95 |
| Full Scrim | LW5054 | $5.95 |
| Snoot | LW5053 | $36.95 |




A

### Ⓑ Rifa-Lites

These portable, lightweight, soft light units compliment Lowell's more controllable, production-oriented Softlight 2. Available in three models, each Rifa-Lite features a self-contained halogen lamp centered within a collapsible, high-temperature-tolerant, silver-coated textile housing. Each 120-volt lamp is 3200 K, with an average life of 300 hours. A heat-resistant front diffuser provides efficient illumination with soft shadows. Rifa-Lites are best suited for use as key or fill sources for subjects and backgrounds and are great for digital scans. The system sets up and strikes quickly, umbrella-style, and transports compactly.

**Rifa-Lite LC-88 (1000w)**
Collapsed length: 34". Front: 32 x 32", 75° beam angle. Weight: 4.5 lbs. (w/out cable)
**LW0804 $589.95**

**Rifa-Lite LC-66 (750w)**
Collapsed length: 30". Front: 25 x 25", 75° beam angle. Weight: 3.5 lbs. (w/out cable)
**LW0802 $499.95**

**Rifa-Lite LC-55 (500w)**
Collapsed length: 24". Front: 21 x 21", 75° beam angle. Weight: 2.5 lbs. (w/out cable)
**LW0800 $414.95**

## Ideal as a Camera-Top Focusing Light

### Ⓒ Lowel Pro-light

This small and versatile focusing light uses halogen lamps of 250w/120V, 200w/30V, and 100w/12V. It accepts a super-spot reflector, unique barn doors and Lowel Tota-light controls. (Tota-brella, Tota-frame for gels and Tota-flags). Lamp not included.
**LW1020 $124.95**

GCA 250w 3200 K lamp for Pro-light
**WIGCA $18.95**




C

### Lowel Lighting Kits

**Tube Kit**
This kit includes two Tota-lights (less lamps) with 16' Cables, two 9' Omni Stands, one Tota-brella, one Tota-frame, assorted gels, one Tota-lampak and one Tube Case. Total weight: 18 lbs.
**LW4030 $559.95**

**Basically 3 Kit**
Kit includes two Tota-lights (less lamps) with 16' Cables, one Omni-light (less lamp) with 16' Cable and #1 Reflector, three 9' Omni Stands, one Omnibarn door, one Full Scrim, one Tota-brella, one Tota-frame, assorted gels, one Tota/Omni lampak and one Tota/Omni Case. Total weight: 28 lbs. **LW4010 $879.95**

**Omni 3 Kit**
Includes three Omni-lights (less lamps) with 16' Cables and #1 Reflectors, three 9' Omni Stands, three Omni-barn doors, two Full Scrims, one Half-scrim, one Tota-brella, three Tota-frames, assorted gels, one Tota-mount, one Tota-clamp, one 12 yd. roll of Gaffer tape, one Omni-lampak and one Tota/Omni Case. Total weight: 35 lbs.
**LW4045 $1199.00**

**DP 3 Kit**
Includes three DP Lights (less lamps) with #1 Reflectors, three DP barn doors, three 9' KS Stands, one DP lampak and one Multi-Case. Total weight: 45 lbs. **LW4020 $1259.00**

## Excellent for Copywork or Large Artwork

### Ⓓ Lowel v-light

This 500w/120V, 220V and 240V light uses a low pressure halogen lamp in a removable, protective shield. The v-light can light a small room, yet fits into a pocket. It accepts the same accessories as the Pro-light and i-light. Lamp not included.
**LW1040 $119.95**

GDA 500w 3150 K lamp for v-light
**WIGDA $18.95**



D

digital compatible

## High Fluorescent Efficiency for Digital Imaging!

### Balcar Fluorescent Light fixtures

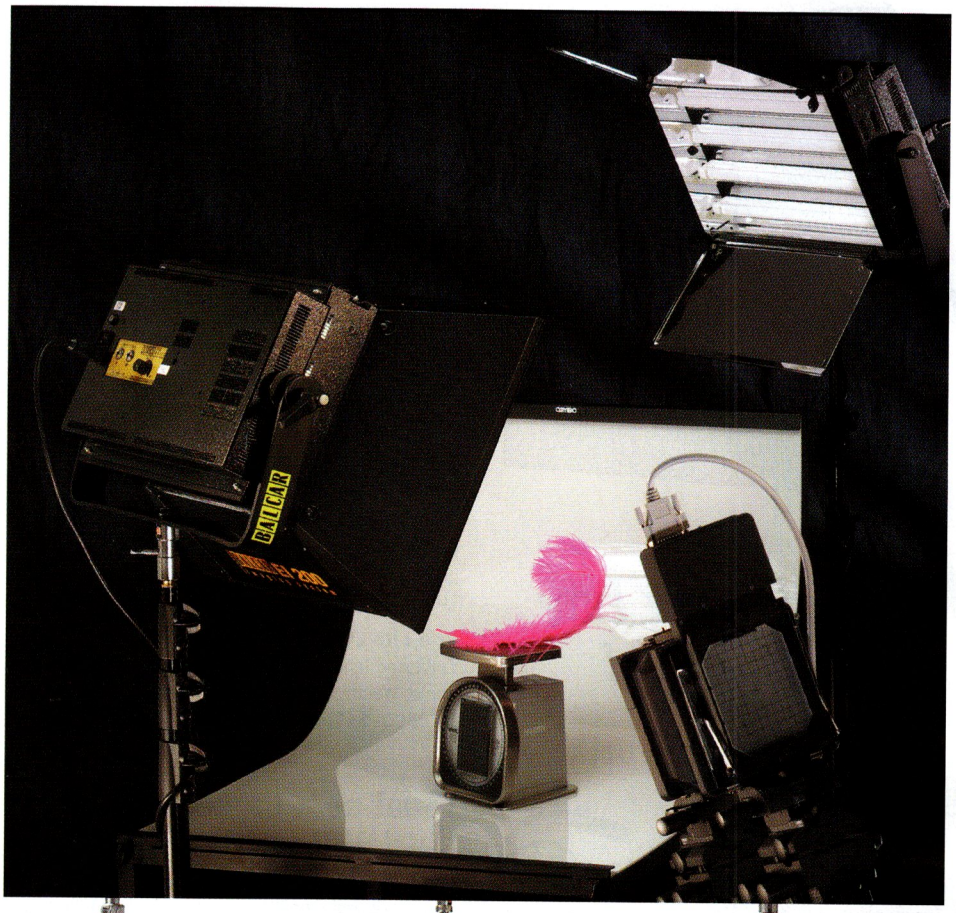
These reflecting fluorescent fixtures combine the high efficiency of fluorescence with the exceptional color rendering properties of tungsten lighting. Check out these fluorescent advantages:

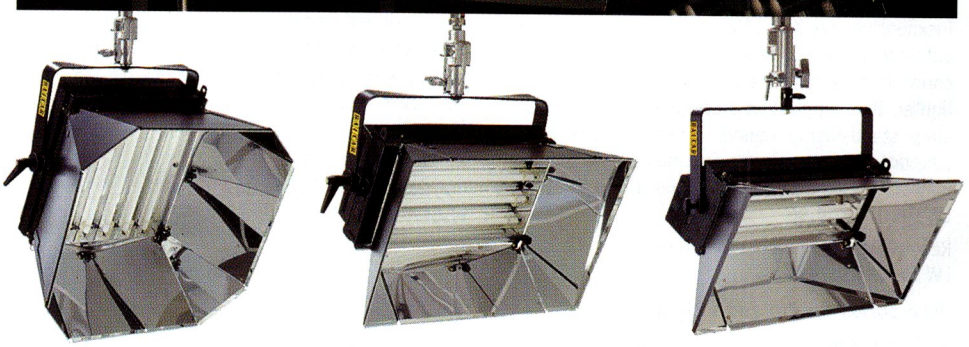
- "Daylight" 5200 K CRI 98 lamps
- Brilliant lumen output with no radiant heat
- Constant color temperature when dimmed
- Lamp life 10,000 to 15,000 hours
- Ideal for key light, fill light, cyclorama lighting
- Mix with ambient daylight in studio and interior location shooting
- Optical reflector provides efficient light source used alone or with tungsten-halogen systems
- When used to light Chroma Key or "blue screen" backgrounds, power needs are cut in half compared to tungsten tubes
- Aluminum extrusion housing and epoxy coated aluminum alloy sheets with adjustable angle yoke
- Ideal for digital scanning cameras

Exclusive Calumet

| | | |
|---|---|---|
| **Grid Spots for EI 300** | | |
| 20° | BF70221 | $349.95 |
| 30° | BF70222 | $289.95 |
| 40° | BF70223 | $289.95 |
| 60° | BF70224 | $259.95 |
| **Grid Spots for EI 200** | | |
| 20° | BF70241 | $289.95 |
| 30° | BF70242 | $229.95 |
| 40° | BF70243 | $229.95 |
| 60° | BF70244 | $199.95 |
| **Grid Spots for EI 100** | | |
| 20° | BF70231 | $209.95 |
| 30° | BF70232 | $179.95 |
| 40° | BF70233 | $179.95 |
| 60° | BF70234 | $149.95 |
| **ABS Cases for Lights** | | |
| For EI-300 | BF30733 | $469.95 |
| For EI-200 | BF30734 | $469.95 |
| For EI-100 | BF30735 | $469.95 |

*Accessories and replacement lamps are available for Fluxites, Quadlites and Duolites. Call for details.*



**EI 300**
This 6-lamp fluorescent fixture is perfect for large studios, cycloramas, digital imaging or any situation where soft, intense, full-spectrum, flicker-free, dimmable lighting is necessary. It only uses 300w to produce the equivalent light of a 2500-3000w halogen. **BF81106 $2295.00**

**EI 200**
A 4-lamp fluorescent fixture for lighting small to medium-size tabletops and studio product shots. Uses only 200 watts to produce the equivalent of a 2000 watt Halogen.
**BF81126 $1795.00**

**EI 100**
Compact 2-lamp fluorescent fixture great for table-tops and as accent light in conjunction with EI 200. 100 watts produces equivalent of a 900w Halogen. (Requires BF70502 yoke.)
**BF80115 $1195.00**

| | EI 300 | EI 200 | EI 100 |
|---|---|---|---|
| Power: | 10,000 Candelas | 5800 Candelas | 2700 Candelas |
| Wattage: | 300w | 200w | 100w |
| AC Mains: | 50/60 Hz, 120 V or 220 V | 50/60 Hz 120 V or 220 V | 50/60 Hz Bi-Voltage |
| Dimming: | Standard TRIAC dimmer or 0-10V ballast dimming | Standard TRIAC dimmer or 0-10V ballast dimming | Standard TRIAC dimmer |
| Pivoting Mirror flaps: | 4 (with 4 reflecting corners) | 2 (with 2 reflecting corners) | 2 (with 2 side flaps) |
| Mounting: | 1⅛" spigot and ⅝" mount | 1⅛" spigot and ⅝" mount | ⅝" mnt. (requires yoke) |
| Weight: | 27 lbs. | 21 lbs. | 11 lbs. |

# Balcar Powerflux




Exclusive Calumet

## Here's how Powerflux fluorescents compare with other popular light sources:

**Compared to Flash**
As with any continuous light source, fluorescent lights allow you to see immediately what you are going to get, without relying on Polaroid proofs.

**Compared to Tungsten**
In addition to producing considerably less radiant heat than tungsten, fluorescence lowers wattage usage approximately 90%, making it extremely less expensive to operate. Finally, consider the fact that tungsten lamps last approximately 100 hours, while fluorescent tubes last between 10-15,000 hours and still cost less.

**Compared to HMI**
Balcar Powerflux fluorescent fixtures, which are considerably less expensive than HMI lights, do not require diffusing, can be used close to the subject, and can be dimmed down to 3%. They also provide a more consistent color temperature.

### POWERFLUX

Balcar's Powerflux fluorescent system offers cool, dimmable, quiet, flicker-free lighting ideal for film. Color rendition is perfect, without color balancing problems. Whether used alone or in conjunction with other studio light sources, photographers can choose from daylight (5200 K), 4200 K and tungsten (3100 K) lamps. They produce virtually no radiant heat and consume minimal amounts of power. Powerflux lights are also extremely cost effective to run because the lamps are relatively inexpensive and last for tens of thousands of hours.

From a light quality standpoint, Powerflux fluorescent lighting creates a nice, even light – full of life, but not flat – without harsh highlights. It is particularly pleasing on skin, where it produces a soft, even brilliance with a gradual fall-off, wrap-around effect.

The Powerflux is the only fluorescent fixture able to effectively light at distances between 10 to 25'. The unique design of the Powerflux lights combines round reflectors with mirror flaps, producing an even, directional light. As for versatility, the Powerflux system can be used as either as a main light, fill light or cyclorama light.

- Perfect as a main light or fill light for applications that require it to be at 10 to 25'. It best compares to traditional 5K tungsten softlight (Powerflux 1) or 10K (Powerflux 2).
- For key lighting, the Powerflux 2 is more versatile than a 2KW frensel spot fitted with a light diffuser, allowing precise dimming with not change in color temperature and not head to the subject.
- As a cyclorama light, it can be spaced from the wall at ½ of the height for even light distribution, with significant benefits in energy reduction and dimming.

**Ⓐ Powerflux 1**
170W of power for lighting a subject from 10-15'. **BF75100D $1249.00**

**Ⓑ Powerflux 2**
340W of power for lighting a subject from 15-25'. **BF75200D $3925.00**

| | Powerflux 1 | Powerflux 2 |
|---|---|---|
| Power | 170W | 340W |
| Number of lamps | 4 | 8 |
| Color Temperature | Ra series lamps type 3200K, 4200K or 5000K | Ra series lamps type 3200K, 4200K or 5000K |
| Candellas | 11,000 Cd | 22,000 Cd |
| Guide Number | 9m | 12m |
| (1/50, 100 ISO) | 28' | 40' |
| Angle | 40° | 40° |
| Output at 6.6' | 2750 LUX<br>255 FC<br>f/4 2/10 | 5500 LUX<br>510 FC<br>f/5.6 3/10 |
| Weight | 7.8 Kg<br>17.2 lbs. | 11.5 Kg<br>25.3 lbs. |
| Front Face Size | 48 x 48cm<br>19 x 19" | 79 x 48cm<br>31 x 19" |

## The Hosemaster Mystique

No other lighting equipment offers Hosemaster's combination of precise control, lighting versatility and powerful fiberoptics. From a pin-point spot to a full, even beam, the powerful Hosemaster and its full range of accessories create the finishing touch to any lighting situation.

Hosemaster allows you to precisely illuminate the most intricate details and darkest corners of a product, balance high-contrast situations, accentuate window lighting effects, enhance textures and even increase color saturation. By painting with light, you also can produce surreal illustrative effects impossible to achieve with conventional lighting methods.

Hosemaster features the latest in fiberoptic illumination, by far the brightest and most powerful in light painting. You also can stop down the light output without changing color temperature.

## Lumisource Adds A New Dimension To Hosemaster



### Now Choose From Two Systems!

Over the past decade, Hosemaster has become one of the most popular creative lighting tools for commercial photographers around the world. Renowned for its ability to fine tune any product shot with its precision fiberoptics as well as it's uniquely dazzling special effects, the Hosemaster offers unparallelled lighting versatility to any studio. Now, with the introduction of the Hosemaster Lumisource, a smaller and less expensive version than the original, more photographers – including location shooters – can experience the magic of painting with light.



© Dennis Skinner

**There is nothing quite like the Hosemaster. In the words of one satisfied user, "It's amazing. The more we use it, the more we find new ways to use it!"**

**Dennis Skinner**
*Commercial Photographer*
Los Angeles, CA

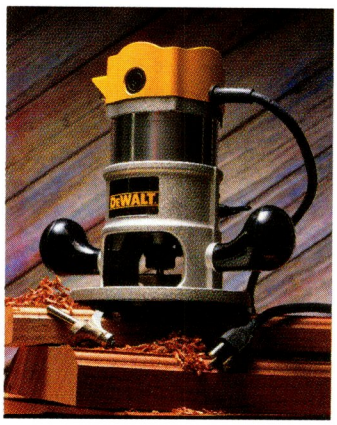
### Hosemaster Components:

**Fiberoptic Hose**
This lightweight, flexible fiberoptic hose is engineered to specifications for maximum light transmission. Two control switches are located at the end of the hose; one controls the shutter in front of the camera or internal shutter, and the other controls the filter system. Longer hoses are also available.

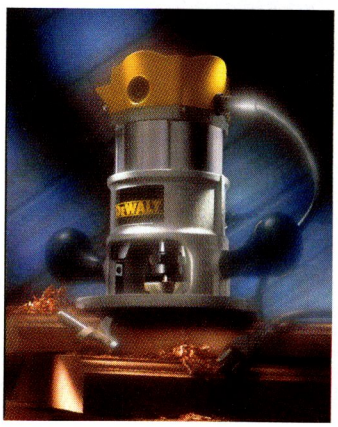
**Beam Control Unit**
The standard beam control unit bayonets into the hand piece at the end of the fiberoptic hose and accepts 13 different masks, gel holder and hood. A belt pack conveniently stores the masks for easy access while shooting.

**Hosemaster External Shutters**
The shutter/filter system, available in 3¼ and 5" models, are solidly engineered to give rapid on-demand actuation from the Beam Control Unit. Upon actuation of the shutter, a pulsing tone sounds out the seconds making repeated accurate exposures possible. Built into each shutter is a remotely operated filter mechanism which comes with three filters, each a different grade of diffusion.

The Hosemaster power supply includes a variable light dimmer for stopping down the light output without changing the color temperature.



© Dennis Skinner



© Dennis Skinner

***Before:*** *Light bounced from a single light source.* ***After:*** *External Shutter was used for selective diffusion in background. Skimmer with blue gel intensified color. The Lightsword was held vertically and passed around router in front of camera to create metallic look on shaft. A Snoot accentuates this effect and illuminates the bit. Various size Probes were used on the router to highlight edges, and to bring out texture on shavings and selective portions of the milled edge.*

Exclusive Calumet

**Ⓐ Hosemaster Lumisource**
This portable and extremely economical unit features a high intensity 50 watt minuature metal halide lamp. With its 10' fiberoptic hose, the Lumisource puts out an impressive 23,000 lumens. A 15' hose is also available. Voltage switches automatically from 110 to 220V for convenient use anywhere in the world. Color temperature is 4800 K. Dimensions: 5 (h) x 8 (w) x 10" (l). Weight: 8.1 lbs. Accepts all Hosemaster accessories. Lumisource includes light source unit, 10' fiberoptic hose, 13 plastic masks, three gell holders, fabric masks for custom shapes, mask belt pack, all necessary cords. Shutter not included. **HM1010 $1995.00**

**Lumisource External Shutter Power Supply**
This optional power supply is only required with the use of an external shutter.
**HM1015 $299.00**

### Lumisource Packages

**3" Shutter/Power Supply Package**
Includes External Power Supply, 3" Shutter Assembly with three soft filters, and necessary cables geared for all formats up to 4x5.n
**HM1223K $1095.00**

**5" Shutter/Power Supply Package**
Same as above, but with 5" Shutter Assembly. Designed to handle large view camera systems.
**HM1224K $1195.00**

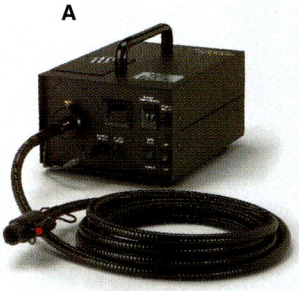
**Hosemaster**
With the 300w high-intensity xenon arc lamp, you are guaranteed a minimum illuminator bulb life of 500 hours or one year (which ever comes first). 15' fiberoptic hose. A 25' Monster Hose is also available. Voltage: 90-250V AC, 47-63Hz. Power: 600 watts. Dimensions: 12 x 12 x 7". Weight: 21 lbs. See packages below.

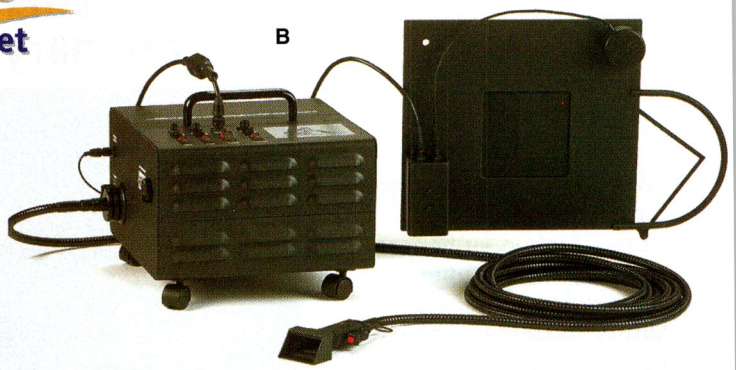
### Hosemaster Packages

**Hosemaster Basic Package**
Includes light source with super bright xenon lamp, 15' fiberoptic hose, 13 plastic masks, diffusion mask, three gel holders, fabric masks for custom shapes, mask belt pack, necessary cords and informational video. Shutter not included.
**HM1001 $3795.00**

**Hosemaster Package with 3¼" Shutter**
Includes everything in the Basic Hosemaster Package plus a 3¼" shutter with three soft filters, filter assembly, and necessary cables geared for all formats up to 4 x 5. The shutter connects directly to any camera rail system with the use of the Rail Mount Assembly (sold separately) and allows you to get in and out of those tight setups where space is a premium. **HM1003 $4550.00**

**Ⓑ Hosemaster Package with 5" Shutter**
Same as above, but with 5" shutter. Designed to handle large view camera systems.
**HM1005 $5150.00**




## Hosemaster Accessories

**Lightsword**
By moving the Lightsword laterally across the subject, it can be used like a soft box. A 20" sword becomes a 20 x 40" soft box when moved 40" or a 20 x 60" soft box when moved 60". Because the light is positioned close to the subject, it produces the effects of very large soft boxes. Now you can have a soft box anywhere you want it — pass it between the camera and subject, wrap a highlight around a glossy surface in the set, use it behind bottles, over tops of cars — wherever you can imagine having a very specific soft box highlight.

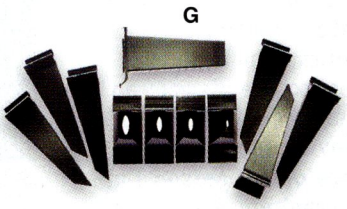
| | | |
|---|---|---|
| Ⓒ 20" Lightsword | **HM1301** | **$279.95** |
| 8" Lightsword | **HM1302** | **$199.95** |

**Ⓓ Light Paddle**
A bayonet-mounted 6 x 6" slim fiberoptic light box with an 18° bend at the hand piece. Includes a hood and ⅛" grid. Designed for situations where a soft box highlight is desirable. It's perfect for situations such as tabletop food shots where a small soft box highlight is necessary.
**HM1312 $299.95**

**Ⓔ Light Skimmer**
A bayonet-mounted 5" wide light brush for skimming light. Enhances color and texture on large surfaces. Includes hood.
**HM1304 $299.95**

**Ⓕ Fiberoptic Probes**
Snap-on design with 120° bend so that your hand is not in the lens path. From 4 to 13mm these probes are designed to deliver the same amount of light that would be delivered by the same size mask, thus keeping exposures in the same range. All probes come with adjustable rods and hoods.

| | | |
|---|---|---|
| 4mm Probe | HM1305 | $169.95 |
| 6mm Probe | HM1306 | $179.95 |
| 8mm Probe | HM1307 | $189.95 |
| 10mm Probe | HM11308 | $199.95 |
| 13mm Probe | HM1309 | $229.95 |

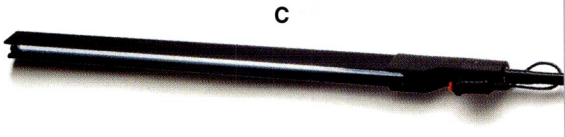



**Ⓖ Snoots**
Snap-on design in 11 different sizes and shapes with built-in hood; invaluable for small product light painting. The shape of the light is very crisp and defined, unlike fiberoptic probes. (Available as 11-piece set only) **HM1300 $99.95**

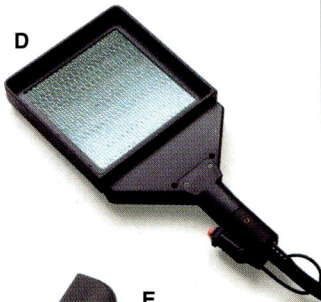
**Compendium for 3¼" Shutter Assembly**
Keeps stray and ambient light from reaching the lens. **HM1225 $14.95**

**Rail Mount Assembly**
Allows you to mount shutter to camera monorail.
**HM1228 $174.95**

**Hosemaster Cases**
Lightware Shipping Case
**HM1250 $459.95**

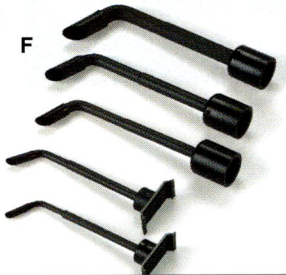



*Accessory Packages Available.*

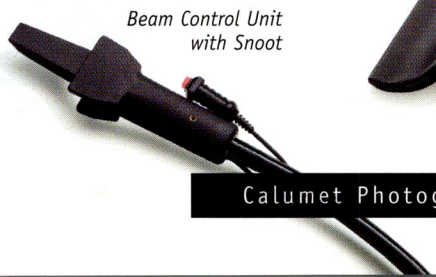



2 year Warranty

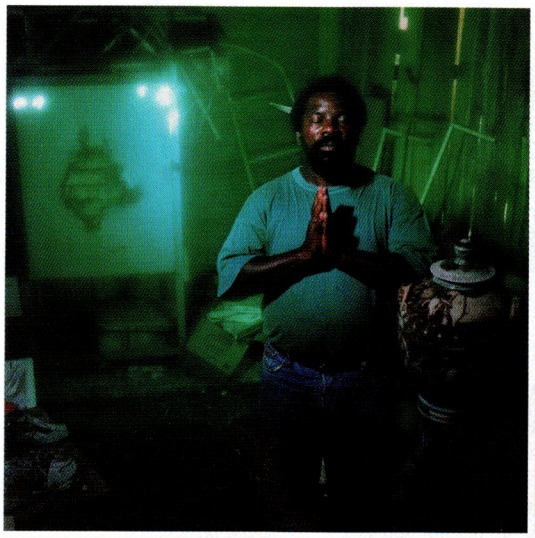


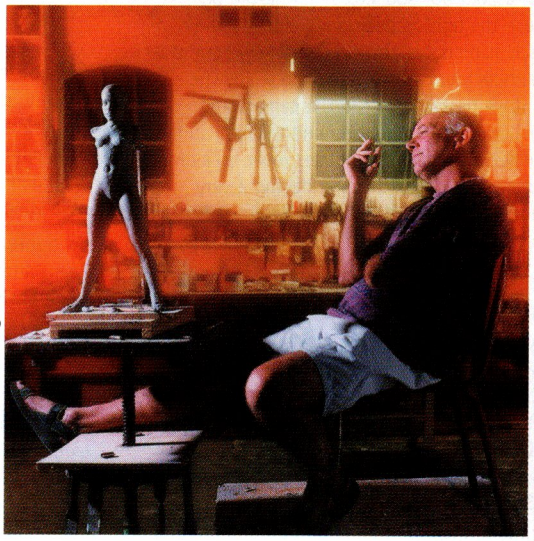

*Beam Control Unit with Snoot*



# "The TurboFilter allows me to easily transform an ordinary scene into something magical."










©1999, Peter Glendinning

"When I'm creating portraits for clients on location, I can maintain an honest approach to my subject while using TurboFilter's ability to create distinctions between elements to emphasize character and content. Because of the split diffusion, I can draw heightened artistic elements from ordinary scenes, so the viewer can read my interpretation of the environment and the essence of the person I'm photographing. I also use the TurboFilter to create unique still life and product shots when the client wants a dynamic creative interpretation rather than a standard shot."

**Peter Glendinning**
*Advertising and Illustration Photographer and Professor of Art, Michigan State University*
Lansing, Michigan

Exclusive Calumet

"What a great way to add a creative soft feel to in-studio children's portraits! We had a blast making these tea party images of Abby and Mackenzie. The unique TurboFilter system allows you to control the degree of diffusion and its location within the set."

**Joseph P. Paladino, C.P.P.**
*Portrait Photographer*
Riverside, Illinois

Photos by Joseph P. Paladino



*With TurboFilter*



*Without TurboFilter*

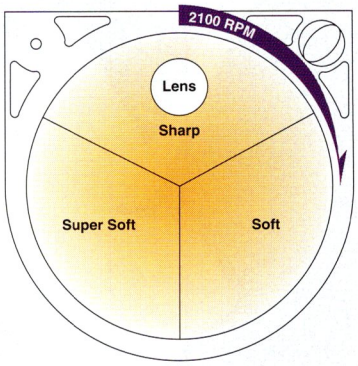
## Sharpen Your Creative Edge with TurboFilter's Selective Diffusion




©1999, Peter Glendinning

*With TurboFilter* *Without TurboFilter*

*This detailed illustration of the TurboFilter shows the positioning of the three pie-shaped sections of the filter itself which spins in front of the camera lens at over 2100 RPM.*




### The TurboFilter

The TurboFilter delivers dramatically beautiful split-diffusion effects easily, consistently and quickly with all professional formats, from 35mm up through 8x10. With TurboFilter, you can decide exactly which area of your scene will be sharp and which part will be diffused. Whether you're shooting people, places or things in the studio or on location, TurboFilter will add a new dimension of drama to your style.

### How Turbofilter System Works

The TurboFilter spins a diffusion-effect disc in front of your camera. The disc is divided into three equal pie-shaped sections: one sharp, one soft and the third super-soft. Each section is synchronized (via the encoder box) to a power pack or mono flash unit. Because the TurboFilter is spinning at over 2100 RPM at high-speed, all three of these flash exposures take place in succession in less than 1/30 of a second. Or you can dial down to the 1700 RPM low speed for 1/15 exposure or longer.

### Simple to Set Up

Either attach your flash sources' sync cords directly to the TurboFilter's Control Box, or take advantage of the built-in three-channel digital radio transmitter for maximum freedom when syncing up to any flash equipment. The TurboFilter can be mounted to an optional Matthews C-Stand for dependable support and height adjustment control.

### A Breeze to Use

The TurboFilter encoder box has outlets numbered #1, #2 and #3. Whichever mono flash unit or power pack you plug into outlet #1 will be synced to the clear or sharp portion of the filter. The pack or flash you plug into #2 is synced to the mild diffusion or soft portion of the filter. Lastly, the pack or flash you plug into #3 is synced to the heavy diffusion or super-soft portion. Often #1 is used for your key light, #2 with your fill light and #3 for your background light.

The beauty of shooting with a TurboFilter is that you can create your own combinations, sync more than one flash to one portion of the filter or just use two light sources. Where you point the light is where you'll get that effect!

### TurboFilter System

The TurboFilter features two operating speeds: 2100 for 1/30-second exposures and 1700 for 1/15-second exposures. It uses only 50 watts of power and operates on 110 or 220 voltage. The TurboFilter housing measures 11 x 11½ x 2¾" and weighs 3 lbs. Encoder box measures 6 x 4 x 6".

The TurboFilter system includes the TurboFilter housing, built-in three-channel radio transmitter, acrylic three-way diffusion filter, power supply and encoder box, 15' power supply cable, 15' sync cable, and AC power supply cable.

**HM6000 $1495.00**

*Lightware Case shown with TurboFilter*



### TurboFilter Accessories

Lightware Form-fitted Case **LI2400 $159.95**

### TurboFilter and C+ Stand Package

Includes TurboFilter, 20" D.R. C+ Stand (Blk.), Grip Head, 20" extension arm, form-fitted case.

**HM6005K $1595.00**

## Adapts to All Formats: from 35mm Through 8x10!







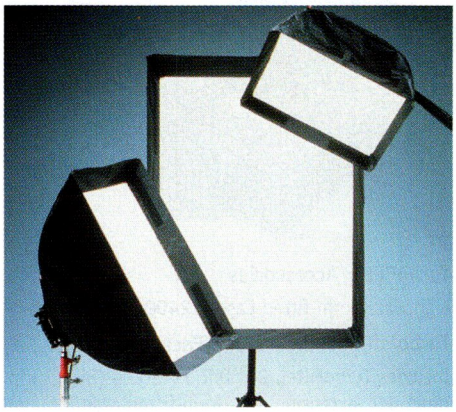
# Chimera Lightbank Systems



## PRO II Banks

For quality light at an affordable price, turn to the PRO II Bank system. These banks feature a simple, clean design with same essential benefits as any Chimera product: translucent quality of light, white interior fabric and durable construction. A streamlined rear opening seals neatly around one strobe head (or around two strobes with the Double Head Bracket).

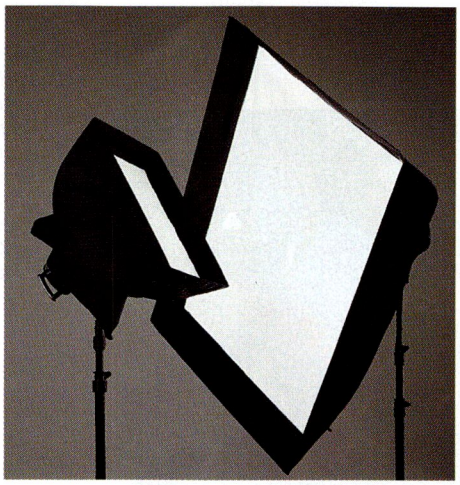
| | | |
|---|---|---|
| 16 x 22" | CH1016 | $86.95 |
| 24 x 32" | CH1017 | $119.95 |
| 36 x 48" | CH1018 | $189.95 |
| 54 x 72" | CH1019 | $319.95 |



## Video PRO Bank

This design is the perfect answer for controlled soft lighting on small sets, or for use as a separation light or small fill. These standard-depth banks are extremely lightweight and are primarily used with single broad-beamed, open-faced instruments up to 1000 watts. Fresnels up to 2000 watts also can be used, especially if diffusion is used in the gel holder to speed the beam. Video PROs are compatible with a majority of the dedicated speed rings, and they will fit all of the circular speed rings, from 3 to 9" diameters.

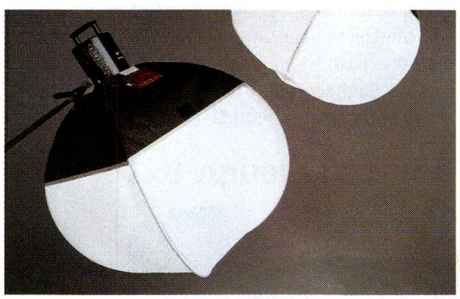
| Video Pro Banks | | | Barn Doors | |
|---|---|---|---|---|
| 16 x 22" | CH2201 | $174.95 | CH2300 | $54.95 |
| 24 x 32" | CH2206 | $239.95 | CH2310 | $65.95 |
| 36 x 48" | CH2211 | $374.95 | CH2320 | $109.95 |
| 54 x 72" | CH2212 | $534.95 | CH2330 | $169.95 |



## Super PRO Banks

Chimera's "first-string team" offers natural, window-like lighting that's controllable. Each Super PRO Bank is equipped with outstanding features like: a recessed front screen that helps control lens flare and fall-off, a large, hook and loop-sealed rear opening that will accommodate up to three strobe heads and full compatibility with every accessory in the Chimera family. There are eight sizes of Chimera Super PRO Banks: five rectangular models with 3:4 front screen proportions, and three strip banks with 1:4 screens. Choose between silver interior walls (slightly more specular) or white (a little softer).

| | Silver | | White | |
|---|---|---|---|---|
| 16 x 22" | CH1060 | $119.95 | CH1021 | $119.95 |
| 24 x 32" | CH1065 | $184.95 | CH1022 | $184.95 |
| 36 x 48" | CH1070 | $279.95 | CH1023 | $279.95 |
| 54 x 72" | CH1075 | $439.95 | CH1024 | $439.95 |
| 9 x 36" Strip | CH1120 | $164.95 | CH1025 | $164.95 |
| 14 x 56" Strip | CH1125 | $264.95 | CH1026 | $264.95 |
| 21 x 84" Strip | CH1130 | $433.95 | CH1027 | $433.95 |



## Chimera Lanterns

These unique light banks are excellent for lighting small shooting spaces and lighting that "room-seen-through-a-door" in your next architectural shot. Hook and loop-attached skirts can be used to selectively block light. Lanterns can be set up on any Speed Rings from the Video PRO Bank category, but for maximum, omni-directional effectiveness, use it in conjunction with a bare-bulb-type lighting source.

| | | |
|---|---|---|
| 20" | CH2120 | $174.95 |
| 30" | CH2130 | $249.95 |



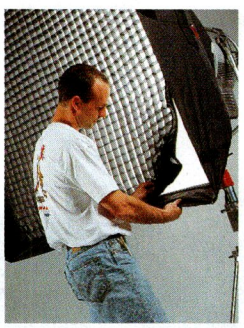

## Super PRO Plus Banks

These workhorse light banks feature removable screens for fine-tuning light quality, transmission and color. Choose from three densities of diffusion screens: the standard Chimera cloth front screen (supplied with bank) and two lighter grid cloth screens. These banks also accept color correction screens which feature gels laminated to Chimera screen fabric. These banks mount light control accessories in the recess area, can handle up to three strobe heads and are available with white or silver interiors.

| | Silver | | White | |
|---|---|---|---|---|
| 16 x 22" | CH3023 | $124.95 | CH3115 | $124.95 |
| 24 x 32" | CH3025 | $209.95 | CH3125 | $209.95 |
| 36 x 48" | CH3035 | $299.95 | CH3135 | $299.95 |
| 54 x 72" | CH3045 | $479.95 | CH3145 | $479.95 |
| 9 x 36" Strip | CH3150 | $179.95 | CH3160 | $179.95 |
| 14 x 56" Strip | CH3151 | $289.95 | CH3161 | $289.95 |
| 21 x 84" Strip | CH3152 | $469.95 | CH3162 | $469.95 |

*Calumet stocks Barn Doors and other accessories for the Super PRO series banks. Call for details.*

## Fabric Grids



These revolutionary light control grids have no supporting frame of their own, making them extremely collapsible, portable and lightweight. They hook & loop to all four sides of the Super-PRO's front recess area to provide a controlled beam spread. Folds down to near pocket size!

| Grid 20 (30°) | | | Grid 40 (40°) | | |
|---|---|---|---|---|---|
| 16x22" | CH1368 | $181.95 | 16x22" | CH1375 | $104.95 |
| 24x32" | CH1369 | $279.95 | 24x32" | CH1378 | $134.95 |
| 36x48" | CH1370 | $459.95 | 36x48 | CH1381 | $219.95 |
| **Grid 60 (60°)** | | | **Strip Grid 40 (40°)** | | |
| 16x22" | CH1382 | $79.95 | 9x36" | CH1396 | $109.95 |
| 24x32" | CH1383 | $109.95 | 14x56" | CH1397 | $167.95 |
| 36x48" | CH1384 | $159.95 | 21x84" | CH1398 | $239.95 |

# Plume Wafer Light Banks

## Chimera Speed Rings

Choose from machined 6061-T6 aluminum rings or injection molded, 33% glass-filled nylon rings. If you don't see the speed ring for your flash, just give us a call. Chances are we have it in stock.

### Aluminum Speed Rings (Rotate 360°)

| | | |
|---|---|---|
| Broncolor Pulso/Primo | CH1620 | $144.95 |
| Calumet Series-2 | CH1610 | $93.95 |
| Comet CA/CX | CH1267 | $83.95 |
| Dyna-Lite | CH1625 | $99.95 |
| Elinchrom | CH1244 | $79.95 |
| Norman LH2000 | CH1630 | $74.95 |
| Norman LH2400 | CH1635 | $83.95 |
| Photogenic PL06 | CH1640 | $102.95 |
| Profoto | CH1645 | $139.95 |
| Speedotron 102 Black Line | CH1650 | $74.95 |

### Nylon Speed Rings

360° Rotating rings are designated by (R). Stationary rings are designated by (S).

| | | |
|---|---|---|
| Arri 650/800/1000 (R) | CH1465 | $74.95 |
| Arri 1000 Fresnel (R) | CH1501 | $139.95 |
| Broncolor Pulso (R) | CH1234 | $109.95 |
| Broncolor UL (R) | CH1270 | $74.95 |
| Calumet/Bowens Series-2 (R) | CH1213 | $64.95 |
| Calumet 650 Tungsten | CH1508 | $89.95 |
| Comet CA/CX (R) | CH1266 | $56.95 |
| Dyna-Lite (S) | CH1207 | $39.95 |
| Dyna-Lite (R) | CH1208 | $74.95 |
| Elinchrom (R)* | CH1243 | $56.95 |
| Lowel Tota-lite | CH1248 | $139.95 |
| Norman IL2500 (R) | CH1215 | $56.95 |
| Norman LH2000 (R) | CH1216 | $49.95 |
| Norman LH2400 (R) | CH1217 | $56.95 |
| Profoto (R) | CH1265 | $112.95 |
| Speedotron 202 Black Line (R) | CH1204 | $69.95 |
| Speedotron 102 Black Line (R) | CH1205 | $49.95 |
| Balcar and White Lightning Ultra (R) | CH1209 | $49.95 |

### Speed Ring Support

| | | |
|---|---|---|
| Double Head Bracket | CH1261 | $93.95 |

**Requires use of Chimera's short poles.*

## Screems

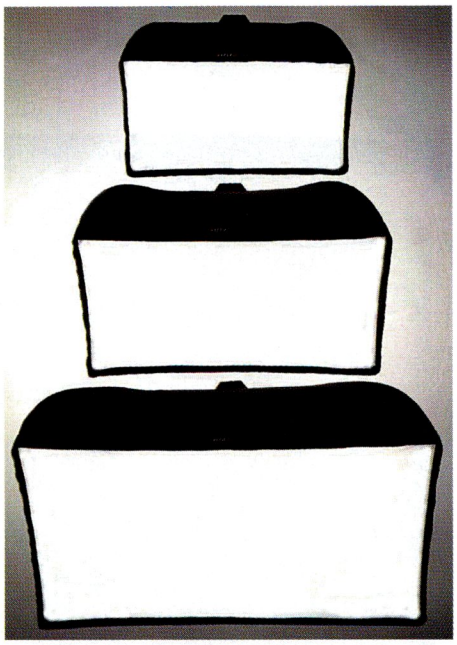
Combine screen and scrim and you got a Screem! Designed to work with any strobe and speed ring adapter, Screems offer you the ability to reduce the intensity of light from a lightbank, even while modeling lamp is in use. 9 per pkg. (3 densities)

### Long Screems

For strobes with flash tubes and/or modeling lights over 2" beyond face of speed ring.)
**CH1290 $119.95**

### Short Screems

For strobes with tubes protruding less than 2".
**CH1280 $119.95**



## Wafer Rectangle

The basic rectangle design is a 3:4 proportional diffusion bank for general use. This standard broad window is a classic portrait or product light when positioned just off-camera or overhead on a boom. Includes support wands, front diffusion screen, two different baffles, flameproof cowl and case. Requires mounting ring.

**Wafer 75**
22(w) x 30(l) x 9"(d) **AF2050 $309.95**

**Wafer 100**
30(w) x 40(l) x 14"(d) **AF2060 $409.95**

**Ⓐ Wafer 140**
40(w) x 53(l) x 21"(d) **AF2070 $499.95**

**Wafer 200**
53(w) x 76(l) x 24"(d) **AF2069 $712.95**

**Oval Mask (For 75, 100 and 140)**
Transforms these rectangle banks into Wafer HexOvals to produce oval reflective highlights.
**AF3216 $118.95**

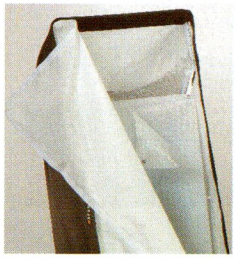
## Wafer Strips

The Wafer Strip is half as wide as the wafer rectangle, but is the same respective length to increase contrast in the narrow axis without reducing the broad overall coverage in the longer axis. A second masked diffuser comes with each Wafer Strip to reduce the width half again for even narrower reflective highlights. Wafer Strips make excellent choices for long narrow reflective highlights, "edge" lighting in portraits and the even lighting of backgrounds.

**Ⓑ Wafer Strip 100**
15(w) x 40(l) x 15"(d)
**AF2010 $399.95**

**Wafer Strip 140**
20(w) x 53(l) x 21"(d)
**AF2012 $489.95**

**Wafer Strip 200**
27(w) x 76(l) x 25"(d)
**AF2014 $649.95**





## HexOvals

The Wafer HexOval is the fashion and portrait specialist's light bank. Its six-sided oval shape better matches the shape of the subject's face for enhanced modeling and highlights. This thinnest Wafer shape is a good choice for corporate work in tight office spaces. For rounded reflective highlights, an oval masked diffuser is available for each size. Requires rotating mount.

**Ⓒ Wafer HexOval 100**
27(w) x 39(l) x 12"(d) **AF2000 $409.95**

**Wafer HexOval 140**
38(w) x 54(l) x 15"(d) **AF2002 $516.95**

**Wafer HexOval 180**
55(w) x 72(l) x 21"(d) **AF2003 $649.95**

## Wafer Light Bank Accessories

### Barn Door

This 6½" wide corrugated reversible black/white Coroplast® can either shield or extend the diffuser surface. Fits both the long or short side of the respective Wafer.

| | | |
|---|---|---|
| Barn Door 75 | AF2100 | $59.95 |
| Barn Door 100 | AF2102 | $74.95 |
| Barn Door 140 | AF2104 | $89.95 |

### Oval Diffuser

This masked diffuser creates rounded reflective highlights. To be used only on rectangular banks.

| | | |
|---|---|---|
| 100 Oval Diffuser | AF3230 | $69.95 |
| 140 Oval Diffuser | AF3232 | $105.95 |
| 180 Oval Diffuser | AF3234 | $139.95 |

### Aluminum Adapter Rings

Rotates 360° and is adjustable from free spin to full stop. The dedicated adapters are metal interchangeable.

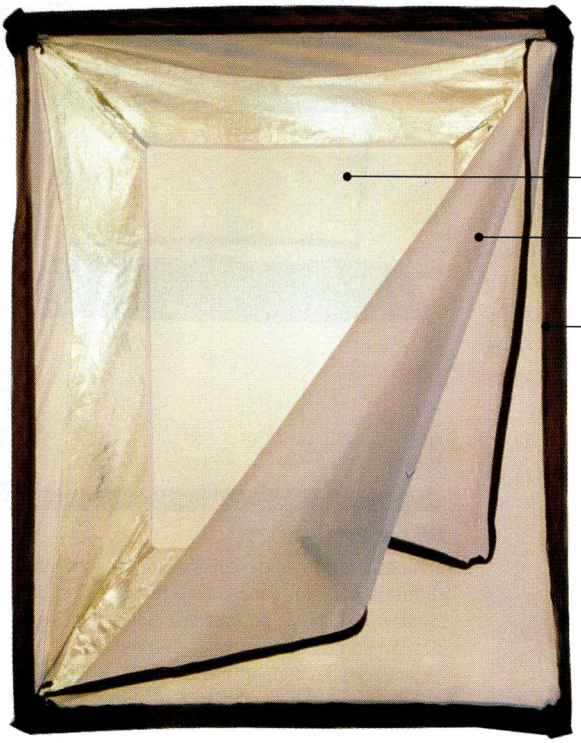
| | | |
|---|---|---|
| Speedotron Ring | AF2080 | $74.95 |
| Norman St. Ring | AF2082 | $79.95 |
| Ultra/Balcar Ring | AF2084 | $72.95 |
| Dyna-Lite Ring | AF2086 | $89.95 |
| Comet Ring | AF2088 | $79.95 |
| Elinchrom Ring | AF2094 | $86.95 |
| Calumet/Bowens Series 2 Ring | AF2095 | $79.95 |
| Profoto Ring | AF2083 | $129.95 |
| Broncolor Pulso/ Flashman Ring | AF2096 | $166.95 |

# Calumet Nova Series Soft Boxes




Oversized Cowl

Radius-based Depth for 1:2 Attenuation



Removable Inner Baffle

Removable Front Diffusion Panel

Recessed Front For Light Control Accessories

- Choice of All-White or All-Silver Interiors
- 3:4 Proportioned Sizes
- Safe Heat-Resistant Materials

Next Day Delivery!

## Why Use a Soft Box?

Over the past twenty years, the soft box has become a standard lighting tool for portrait and product photographers alike. Just what is there about the soft box that makes it so popular and so adaptable to such a diverse variety of applications?

**Here are three important reasons:**

1. The soft box produces a clean, unobstructed reflexive (incident) highlight in the subject.
2. The soft box can be positioned extremely close to the subject.
3. The soft box's opaque backing contains the light, creating a very two-dimensional, directional light source without light spilling onto other surrounding objects or flare back into the lens.

## Calumet Nova Series Soft Boxes

**Calumet Nova-White**
The all-white interior provides a nearly homogeneous "windowlight" quality of illumination. The radius-based depth evens the light to a 1:2 attenuation which is considered by many professionals to be ideal for portraits and many product lighting tasks.

Small 16 x 20" **RM1016 $79.95**
Medium 24 x 32" **RM1024 $99.95**
Large 36 x 48" **RM1036 $139.95**
X-Large 54 x 72" **RM1054 $209.95**

**Calumet Nova-Silver**
The all-silver interior of the Nova-Silver creates a more "snappy" light quality. Based on the same radial depth as the Nova-White, we added a removable inner baffle to smooth the light quality when needed and small white ellipses on the interior edges to prevent against any stray spectrals on the front diffusion panel.

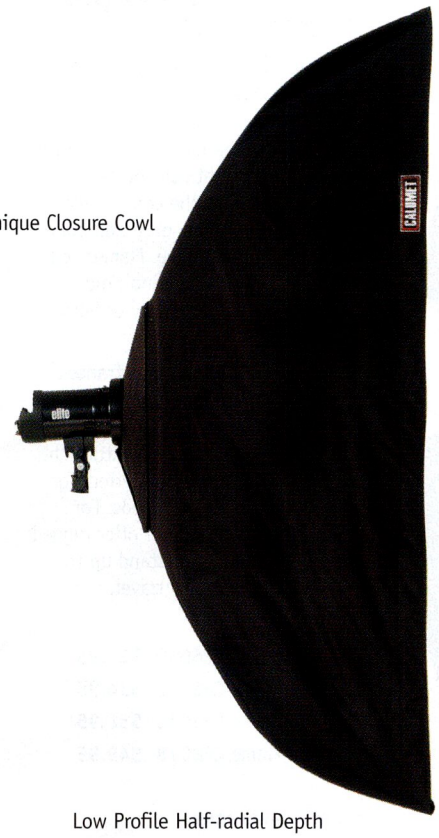
Small 16 x 20" **RM1116 $99.95**
Medium 24 x 32" **RM1124 $149.95**
Large 36 x 48" **RM1136 $239.95**
X-Large 54 x 72" **RM1154 $379.95**

**Calumet Flash & Light Head Attachments... For All Calumet, Chimera, Photoflex & Wafer Boxes**
These high quality, heat resistant attachments are designed to fit all Calumet Soft Boxes as well as all other brand light banks. They feature a convenient rotating mounting ring for easy positioning of the soft box while it is mounted on the flash or light head. *(Some assembly required.)*

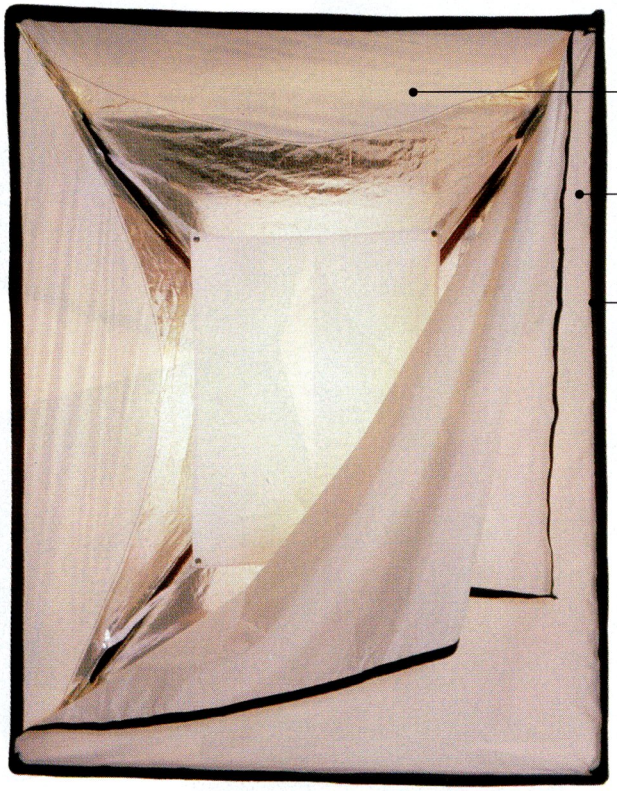
| | |
|---|---|
| For Calumet Travelite/Bowens Prolite | RM6210K $69.95 |
| For Balcar/White Lightning Ultra | RM6215K $69.95 |
| For Speedotron | RM6220K $69.95 |
| For Norman 2000/2400 | RM6225K $69.95 |
| For Profoto | RM6230K $99.95 |
| For Hensel | RM6235K $99.95 |
| For Broncolor Pulso/ Primo | RM6240K $99.95 |
| For Broncolor Impact/Visatek | RM6241K $99.95 |
| For Elinchrom | RM6245K $99.95 |
| For Comet | RM6250K $69.95 |
| For Dyna-Lite | RM6255K $69.95 |
| For Novatron | RM6260K $69.95 |
| For Photogenic | RM6265K $69.95 |

Exclusive Calumet

# Calumet Illuma Soft Boxes

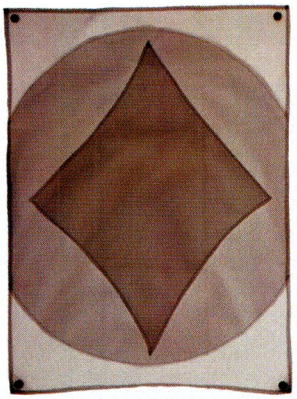



Low Profile Half-radial Depth




- Hook & Loop Accessory Attachment
- Superior Materials & Workmanship
- Removable Inner Baffle

Exclusive Calumet



Two Unique Removable Inner Baffles



## Calumet Illuma Series Soft Boxes

The flagship of the Calumet Soft Box Series, the Illuma features a number of design innovations which offer the photographer greater flexibility and more options in light quality.
The first thing one notices about an Illuma is its thinner profile – a half-radial depth – which produces better efficiency, more stability and greater mobility than other soft boxes.
Closer examination not only reveals the use of superior materials and workmanship, but also several unique features: a removable front diffuser, silver with white interior surfaces, and two graduated inner baffles for contrast changes.

A soft box with all silver interior results in four bright corners, plus a bright center value, thus no clear core shadowing, but five shadows. The white side ellipses sewn down onto the silver surfaces inside the Illuma correct for this shortcoming in other silver soft boxes.

The Illuma's two different inner baffles are designed to maximize the number of options in light quality: a super brilliant effect is achieved without the baffles, a brilliant effect with the thin baffle, a "windowlight" effect with the double baffle, and totally even coverage with both baffels installed. The different baffles also address the issue of the wide variety of flash head designs by different manufacturers which can greatly vary the way in which the flash is projected within the diffusion bank and whether or not the light values on the front diffuser are relatively even. The Illuma's inner baffles "catch" any of these various light projections and change it to match the user's wishes.

Small 22 x 30 x 9"
**RM3022 $279.95**

Medium 30 x 40 x 14"
**RM3030 $359.95**

Large 40 x 53 x 21"
**RM3040 $449.95**

X-Large 54 x 78 x 25"
**RM3054 $599.95**

### Illuma Accessories

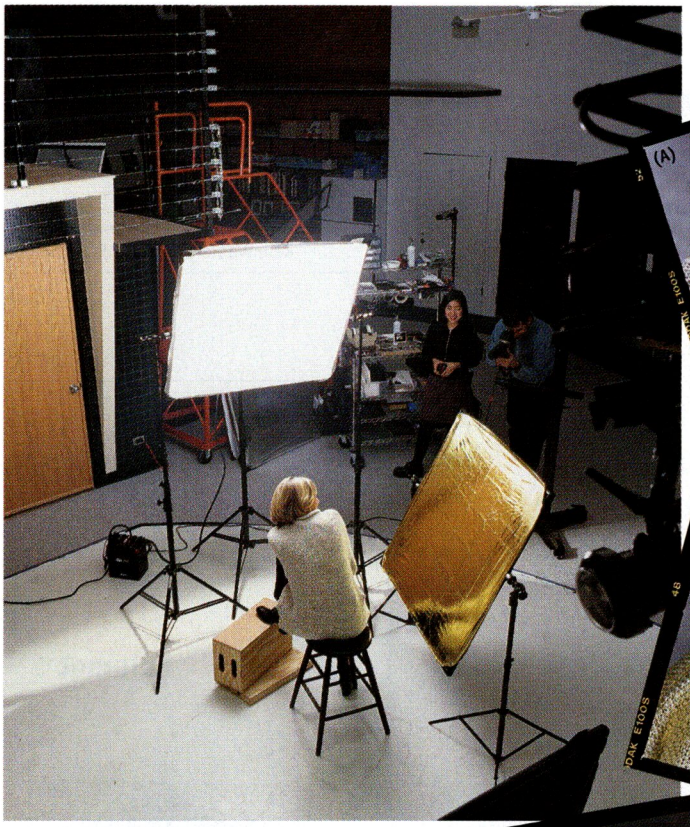
**Barndoor**
6" wide, reversible black and white.
Small **AF2100 $59.95**
Medium **AF2102 $74.95**
Large **AF2104 $89.95**

**Honeycomb Grid**
For a more shielded, directional light that produces increased color saturation. Allows you to move box closer or further from subject without a change in contrast.

Small **AF2058 $284.95**
Medium **AF2068 $454.95**



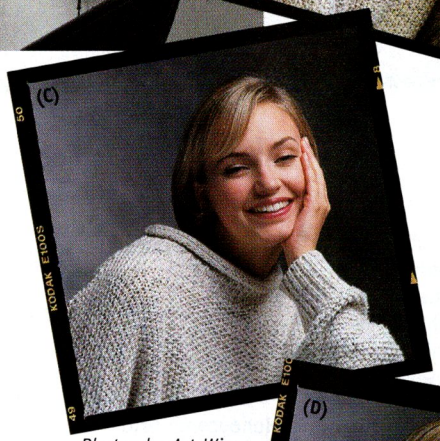
*Carrying Case included*









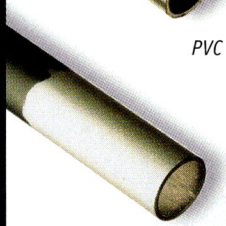



Photos by Art Wise.

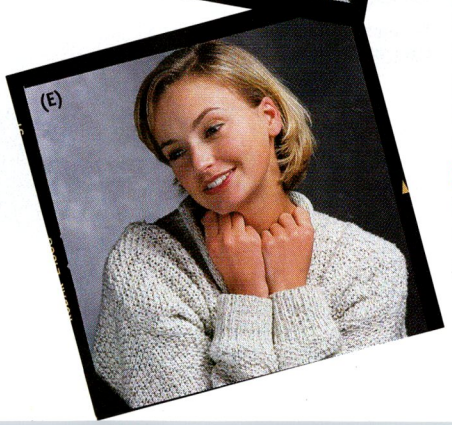





PVC Tubing



Aluminum




## Tips.

**(A)** Main light shot through a Translucent White panel with a Super Opaque white fill panel creates a diffused direct light with distinct shadows.

**(B)** Main light bounced off of a Reflective White panel with a Warming Gold fill panel produces highlights that are neutral and clear with shadows that take on a warmth similar to that of late afternoon light.

**(C)** Main light bounced off of a Reflective White panel with a Super Opaque white fill panel produces a subtle directional light that wraps nicely around the subject.

**(D)** Main light bounced off of a Reflective Silver panel with a Subtractive Black fill panel produces more contrast between highlight and shadow areas.

**(E)** Main light bounced off of a Reflective White panel with a Reflective Silver fill panel to produce an even illumination with soft shadows.

## Portable Light Control for People or Products

### Calumet Light Control Panel System

This lightweight, portable reflector system offers the fast and easy setup and unlimited light control. Each frame is hinged at the corners and break joints, making setup and breakdown a one step breeze. Frames self lock into position, forming rigid supports for a wide variety of fabrics and light control applications.

**Heavy duty, self locking frames**
Choose from either plastic or our new aluminum construction. Calumet's plastic frames are made of ultra-light, ultra-rugged PVC tubing, perfect for studio lighting control needs, For location assignments, we offer rugged aluminum frames that stand up to wind and the rigors of travel.

**PVC Frames**

30 x 30" Frame **CF6030 $26.95**
42 x 42" Frame **CF1042 $34.95**
42 x 78" Frame **CF3078 $36.95**
78 x 78" Frame **CF8078 $49.95**

**Aluminum Frames**

30 x 30" Frame **CF6035 $49.95**
42 x 42" Frame **CF1045 $59.95**
42 x 78" Frame **CF3075 $69.95**

## Versatile Selection of Fine Fabrics

Our durable, nylon fabrics quickly attach with elastic corner straps to create instant reflectors or diffusors.

**Translucent White**
Diffusion fabric softens the harshness of direct light.

**Subtractive Black**
Absorbs light to reduce reflectance or shade specific areas.

**Reflective White**
Reflects or bounces light for soft, even results. Perfect for fill light.

**Reflective Silver**
Maximizes bounce light output for high-key applications.

**Warming Gold**
Converts daylight flash into late afternoon warm bronze tones.

**Super Opaque**
Back-to-back white and black fabrics offer efficient, yet soft reflected light.

**NEW Gold-Silver**
This unique combination fabric offers mild warming and high efficiency.

*See facing page for fabric listings.*

# Important Information About Your Order.




## Order Toll-Free by Phone: 1-888-888-9083

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For faster service, please have the following information ready. To help you organize your order, use the Order Form enclosed.

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- Credit Card Number/Expiration Date
- Calumet Item Number
- Quantity and Description of Each Item
- The Price Listed in the Catalog

## Order from our Web Site: www.calumetphoto.com

Visit our Web site to shop, check deliveries or gather general information. With hundreds of products added every week, our Web site is fast becoming the best photo source online!

## Order Toll-Free by Fax: 1-800-577-3686

Our toll-free fax line is open 24 hours a day! Be sure to include the shipping address, method of payment and a daytime phone number. Also please include a credit card expiration date on credit card orders.

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**Bensenville, IL 60106**

Please call for price confirmation before you mail in your order. Residents of CA, IL, MA and NY should add state sales tax.

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We're ready to impress you with our fast and accurate service! If your phone, fax or mail order is received by 4 p.m. (C.T.), our picking and packing department will make sure your order is shipped that same day! And, if you request any type of express shipping service, you receive same day service... no matter when you place your order! (Does not include faxed orders received over the weekend.)

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Because we want to protect you and your order, every shipment is insured with the shipping carrier. Please be sure to include the $3.00 handling charge plus insurance fee of 40¢ per each $100 when ordering.

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Need your order to arrive tomorrow? Simply include an additional $11.95 to your shipping estimate, and we will ship your order to you via U.P.S. Next Day Standard Air.*

**U.P.S. Next Day Standard Air guarantees delivery by 5 p.m. next day in most areas of the 48 contiguous states. $11.95 upgrade charge applies for all orders up to 20 lbs. Some restrictions may apply, such as chemicals, etc.*

## Terms of Payment

### ■ Sales Tax

Residents of California, Illinois, Massachusetts and New York, please add applicable sales tax. Your sales representative will be happy to assist you.

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Orders may be charged directly to your Visa, MasterCard, Discover or American Express card. We reserve the right to hold all first-time customer orders pending cardholder address verification.

### ■ Check With Order

Calumet will process your check and reserves the right to hold orders pending bank or check clearance.

### Sorry, no COD's.

*The entire Calumet team has made every effort to assure the accuracy of all information in this catalog. We reserve the right to correct any errors, whether in pricing, description, specification, etc. All prices and specifications are subject to change without notice. Some prices may be subject to quantities on hand and availability.*

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1. When you receive your packages from Calumet, save your packaging and the warranty card. To qualify for return, the item must be in brand new condition, in the original undamaged packaging with all components and the original unused warranty card.

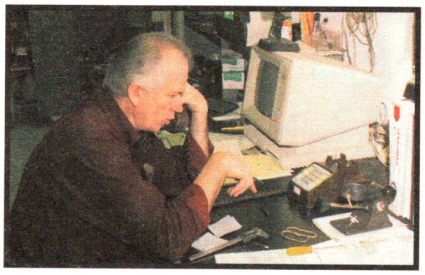
2. You may return an item for any reason within 15 days from date of shipment. For your protection, we do not accept returns of film, paper, chemicals, polyester and resin filters, and videos, unless they are shown to be defective in manufacture. Because of their unique nature, we cannot accept returns of stainless steel sinks and processors or special order items, unless shown to be defective in manufacture.

3. To return an item, please complete the back of the receipt enclosed with your shipment. If you have any questions about a return, please call our Customer Service Department toll-free at 1-800-453-2550.

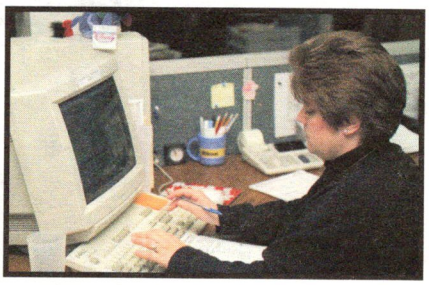
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*Art Netzel, head of Service and Repairs, is a top-notch expert at trouble-shooting equipment repairs.*



*Kim Arrigoni in our Sales Department makes sure that you are completed satisfied with your order.*

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Our in-house Service and Repair Department is operated by factory-authorized technicians for Arri, Balcar, Bowens, Calumet, Dyna-lite, Norman, Profoto and Speedotron. We also service the warranty repairs for Calumet, Cambo, Caltar, Rodenstock, Horseman, Schneider and Zone VI. Other conveniences available: affordable rush service, overnight delivery and rental equipment.We're happy to solve any problem you may have! To reach our Service Department, call **1-800-462-2550.**

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For your convenience, write down your customer number in this space so you'll always have it ready when you order. If you don't have your number, just look for the six-digit number above your name on our mailing label.

**Your Customer Number:**

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |

### First Class Customer Service

For prompt, courteous attention from one of our friendly Customer Service Representatives, call us toll-free at **1-800-453-2550** Monday - Friday 8 a.m. to 6 p.m. CT.

### Reach Us Any Time of Day

You can send us an e-mail or fax anytime during the day or night. Be sure to include your customer and order numbers. Or check out our Web site for shipping information, ordering policies and service warranties.

*Roy Shelby in Financial Services promptly processes your credit and leasing requests.*



### Don't take our word for it, listen to what our customers have to say...

"You are second to none with service and customer satisfaction and I am reminded of this each time I receive an order from Calumet. You are appreciated."

***Maxine Parish,***
*Winamac, Indiana*

"I have been a faithful customer of Calumet (10 years) and have ordered from you while living in WI and since moving to SC. I always mention your name as the best place to order anything photographic related. I would have been at a loss (photo supply wise) when moving South if it weren't for you guys!"

***Sue Tjepkema-Burrows,***
*Charleston, South Carolina*

"Calumet is a fine outfit to deal with. I put them in the same class with L.L. Bean, Eddie Bauer, Nordstrom – which is the highest commercial compliment I know how to give!"

***Arthur Sable,***
*Boulder, Colorado*

"While I love to support my local retailers, Calumet's inventory and customer service make it too irresistible. Don't stop now!"

***David Ohman,***
*Weston, Conneticut*

"Your entire staff was incredibly helpful and friendly. I've never had a better experience ordering by phone before in my life. Thanks. Keep up the great work!"

***Matthew Warren,***
*Kalamazoo, Michigan*

## We're Easy to Reach

*Contact Customer Service by...*

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toll-free 800-453-2550

**Fax**
630-860-7089

**E-mail**
custserv@calumetphoto.com

**Web Site**
www.calumetphoto.com

**CALUMET** PHOTOGRAPHIC
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Bensenville, IL 60106

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| Qty. | Item No. | Description | Price (ea.) | Total |
|---|---|---|---|---|
| | | | | |

## Method of Payment

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Account Number

Exp. Date Signature

Customer Service Call Toll-Free 1-800-453-2550

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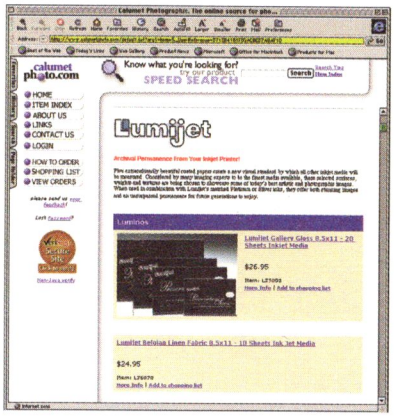
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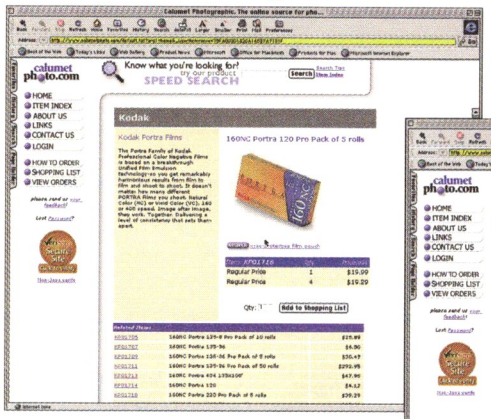
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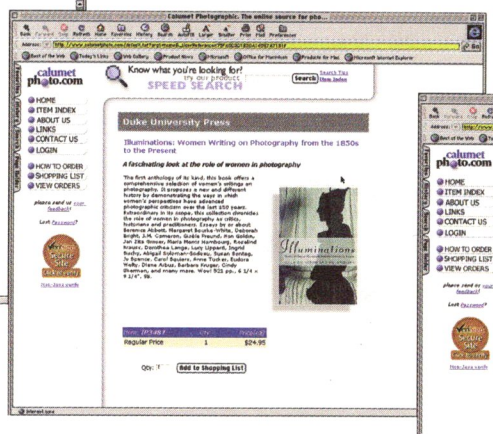

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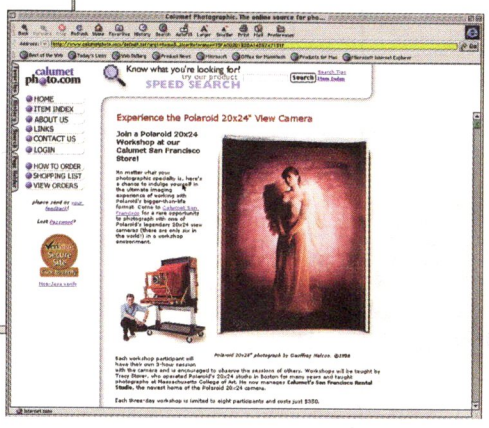

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- Immediate access to technical data
- Submit a link to your site, or to one you like!
- Frequent web specials
- Join our e-mail mailing list for news and special offers.

calumet photo.com

# Calumet Light Control Panel System

## Components



**Light Stand Clamp**
Heavy-duty swivel clamp easily adjusts the panel's angle when mounted to a light stand. **CF5000 $17.95**



**42" Support Bar**
Adds structural support and additional mounting control to 42 x 42" and 42 x 78" frames. Features a joining clip at both ends. **CF5042 $10.95**

**30" Support Bar**
**CF5030 $9.95**



**Leg Support Set**
Includes two stabilizing leg supports which allow individual panels to stand up on their own. Joints swivel for angle adjustment. **CF5100 $32.95**

**Panel Joiner Clip**
Two-sided clips used to connect panels to form flats and light boxes. (Package of 6)
**CF5200 $9.95**



**Neatness Clip**
Holds fabric taut against the frame to provide a smoother surface. Features a slot for holding cables and cords to the frame. (Package of 6) **CF5300 $10.95**





**Panel Travel Bag**
Our Light Control Panels easily fit into this large, durable Cordura bag. 40(l) x 8(w) x 8"(h)
**CF5150 $67.95**

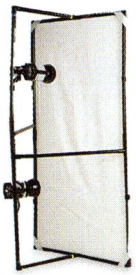
**Turf Spike**
Tap these 8" spikes into the ground to stabilize your panels outdoors. (Set of 2)
**CF5400 $21.95**



**Strobe Mount**
Features a 3/8" metal stud for mounting flash heads to panels.
**CF5500 $21.95**



**Strobe Mount Frame**
Converts 30 x 30", 42 x 42" and 42 x 78" frames into free-standing lighting banks in just minutes. Includes two 3/8" strobe mounts.
**CF5600 $64.95**




Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686


**Special Package Pricing Available on Aluminum Frame/Fabric Combinations!**

Ask Your Sales Representative for Details.

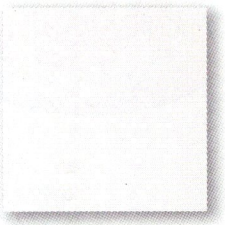
## Fabric Chart

| Fabric Sizes | A Translucent White | B Subtractive Black | C Reflective White | D Reflective Silver | E Warming Gold | F Super Opaque | G Gold-Silver |
|---|---|---|---|---|---|---|---|
| 30 x 30" | CF7030 $8.95 | CF7130 $8.95 | CF7230 $10.95 | CF7330 $22.95 | CF7430 $22.95 | CF7530 $12.95 | CF7630 $22.95 |
| 42 x 42" | CF2042 $13.95 | CF2142 $13.95 | CF2242 $17.95 | CF2342 $27.95 | CF2442 $27.95 | CF2542 $21.95 | CF2642 $27.95 |
| 42 x 78" | CF4078 $19.95 | CF4178 $19.95 | CF4278 $27.95 | CF4378 $41.95 | CF4478 $41.95 | CF4578 $31.95 | CF4678 $41.95 |
| 78 x 78" | CF9078 $32.95 | CF9178 $33.95 | CF9278 $43.95 | CF9378 $71.95 | CF9478 $71.95 | CF9578 $53.95 | CF9678 $71.95 |

## Frame/Fabric Combination Chart

| | Translucent White | Subtractive Black | Reflective White | Reflective Silver | Warming Gold | Super Opaque | Gold-Silver |
|---|---|---|---|---|---|---|---|
| 30 x 30" PVC | CF61430 $32.95 | CF62430 $32.95 | CF63430 $33.95 | CF64430 $42.95 | CF65430 $42.95 | CF66430 $34.95 | CF67430 $42.95 |
| 42 x 42" PVC | CF11420 $40.95 | CF12420 $40.95 | CF13420 $43.95 | CF14420 $50.95 | CF15520 $50.95 | CF16420 $47.95 | CF16520 $50.95 |
| 42 x 78" PVC | CF31780 $48.95 | CF32780 $48.95 | CF33780 $53.95 | CF34780 $70.95 | CF35780 $70.95 | CF36780 $63.95 | CF37780 $70.95 |
| 78 x 78" PVC | CF81478 $79.95 | CF82478 $79.95 | CF83478 $86.95 | CF84478 $115.95 | CF85478 $115.95 | CF86478 $101.95 | CF87478 $115.95 |

A



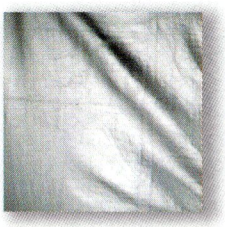
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C



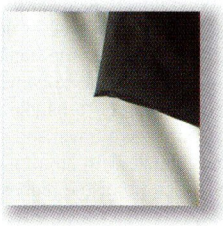
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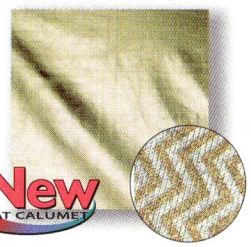
E



F



G



# Calumet ZipDiscs/Westcott Scrim Jim



CALL TOLL FREE!
1.888.888.9083

**Translucent ZipDiscs**

| | | |
|---|---|---|
| 22" Round ZipDisc | RM4000 | $49.95 |
| 32" Round ZipDisc | RM4020 | $69.95 |
| 42" Round ZipDisc | RM4040 | $89.95 |
| 72x41" Oval ZipDisc | RM4060 | $129.95 |

**Gold-Silver/White ZipDiscs**

| | | |
|---|---|---|
| 22" Round ZipDisc | RM4010 | $39.95 |
| 32" Round ZipDisc | RM4030 | $59.95 |
| 42" Round ZipDisc | RM4050 | $74.95 |
| 72x41" Oval ZipDisc | RM4070 | $104.95 |

## It's Like Five Reflectors in One!

### Calumet ZipDiscs

This innovative, collapsible reflector system offers unparallelled versatility. With their unique, slip-on, reversible, four-colored zip-covers, the ZipDiscs give you five different reflector options from one tool.

Choose from two different models and four different sizes of each. For those who enjoy the diffused light of a silk, the Translucent ZipDiscs are a great choice. For those who want more warming options, choose our Gold-Silver/White Combination ZipDiscs. Both models come with removable and reversible zip -covers, each with four different reflector panels: black, silver, white and gold.

ZipDiscs are easy to use, with no assembly or disassembly. Their high carbon steel frames are welded to stand up to hard, daily use and provide years of dependable performance. When not in use, they may be folded effortlessly into small circles one-third of their open size. When in use, they are extremely lightweight and manageable, whether you are holding them by hand or have them clamped to a light stand.

## Expand Your Existing Round & Oval Reflectors!

**Reversible ZipDisc Covers**

These four-sided, four-color reflector covers can be used on any round or oval reflector discs. Each cover has a gold, white, silver and black side.e

| | | |
|---|---|---|
| 22" Round Cover | RM4015 | $18.95 |
| 32" Round Cover | RM4025 | $34.95 |
| 42" Round Cover | RM4045 | $49.95 |
| 72 x 41" Oval Cover | RM4065 | $74.95 |

## Scrim Jim Diffusion & Reflector System
### by Westcott

Location and fashion photographers have come to depend on Scrim Jim's portable and sturdy construction. Scrim Jim frames are made of lightweight aircraft aluminum and feature a unique modular design for easy portability as well as quick set-up and take-down. The frame sections are interchangeable to conveniently create three easy-to-handle frame sizes. For secure travel and storage, frames bundle with an attached strap. The fabrics are of the highest quality and have Velcro® sewn around the perimeter for an even, taut and stable fit to the frame, even in the wind.

Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686

### Scrim Jim Frames

**Small 42 x 42 Frame**
Includes four 42" corner pieces
**HL9000 $69.95**

**Medium 42 x 72 Frame**
Includes four 42" corner pieces and two 30" extensions
**HL9002 $99.95**

**Large 72 x 72 Frame**
Includes four 42" corner pieces and four 30" extensions
**HL9004 $159.95**

**30" Frame Extensions**
Can be added to the Small and Medium frames to increase their size. One pair. **HL9006 $64.95**

### Scrim Jim Kits

**Medium Scrim Jim Kit**
Includes one 42 x 72" frame with a ¾-stop fabric and a silver/white fabric. **HL9012 $249.95**

**Large Scrim Jim Kit**
Includes one 72 x 72" frame with a ¾-stop fabric and a silver/white fabric. **HL9014 $349.95**

### Diffusive Fabrics

**¼-Stop China Silk/Chiffon**

| | | |
|---|---|---|
| Small | HL9020 | $49.95 |
| Medium | HL9022 | $62.95 |
| Large | HL9024 | $104.95 |

**½-Stop China Silk/White Net**

| | | |
|---|---|---|
| Small | HL9026 | $48.95 |
| Medium | HL9028 | $62.95 |
| Large | HL9030 | $104.95 |

**¾-Stop Black Net**

| | | |
|---|---|---|
| Small | HL9032 | $56.95 |
| Medium | HL9034 | $78.95 |
| Large | HL9036 | $129.95 |

**¾-Stop Fabric**

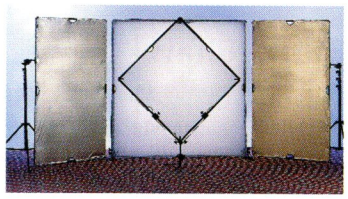
| | | |
|---|---|---|
| Small | HL9038 | $41.95 |
| Medium | HL9040 | $56.95 |
| Large | HL9042 | $74.95 |

**Full-Stop Fabric**

| | | |
|---|---|---|
| Small | HL9044 | $41.95 |
| Medium | HL9046 | $58.95 |
| Large | HL9048 | $76.95 |

**1¼-Stop Fabric**

| | | |
|---|---|---|
| Small | HL9050 | $45.95 |
| Medium | HL9052 | $59.95 |
| Large | HL9054 | $91.95 |



### Reflective Fabrics

**Golden Silver/White Fabric**

| | | |
|---|---|---|
| Small | HL9060 | $71.95 |
| Medium | HL9062 | $99.95 |
| Large | HL9064 | $139.95 |

**Silver/White Fabric**

| | | |
|---|---|---|
| Small | HL9066 | $55.95 |
| Medium | HL9068 | $74.95 |
| Large | HL9070 | $115.95 |

**Flat Black Fabric**

| | | |
|---|---|---|
| Small | HL9078 | $69.95 |
| Medium | HL9080 | $94.95 |
| Large | HL9082 | $119.95 |

# Calumet 3-D Reflector System



**A New Dimension In Light Control!**

## Calumet 3-D Reflector System

Never before has there been a reflector system that offers this much flexibility and diversity. These three-dimensional, rectangular, reflector panels combine the qualities of flat reflectors, umbrellas and large scrims along with a unique dexterity not found in any of the above. Consider these 3-D Reflector advantages:

- **More Surface Area and More Focused Light**
  Because of their unique, three-dimensional, concave shape, 3-D Reflectors offer more reflective efficiency than flat reflectors and a more focused reflective light source, similar to that of an umbrella.
- **Improved Portability**
  Because 3-D Reflectors are structurally similar to the traditional soft box – with four rods, or wands attached to a central adapter ring, or hub – they are far more compact and portable than traditional flat reflector panels with a structural, tubular frame around the perimeter.
- **Increased Versatility**
  Because the 3-D Reflector system's opaque fabrics are reversible, each reflector is like having two reflectors in one! And, because of their unique design, the reflector surface can be reversed quickly and easily without removing the fabric or the reflector from its stand.
- **Additional Articulation**
  Because the 3-D Reflectors are designed to be supported from a single point by the central adapter ring with 3/8" and 1/4-20 threaded mounts, it is easier to make adjustments than with the flat reflectors which are suspended between two light stands. And, with the use of an optional swivel adapter, angle adjustments are almost unlimited and extremely easy to make.
- **Two-dimensional Option**
  It's easy to convert your 3-D Reflector into a standard flat reflector by simply attaching an optional, flat front fabric panel to the Velcro strips at each of the four corners.
- **Increased Selection of Fabrics**
  In addition to the standard White, Silver, Black and Gold, the 3-D Reflectors are available with Translucent White and a unique Gold-Silver combination fabric. For additional color temperature consistency and convenience, the 3-D Reflector fabrics are the same as the Calumet ZipDiscs and Light Control Panel System.

**Next Day Delivery!**

- **Another Design Advantage**
  Because the 3-D Reflectors are designed around a central adapter ring (sold separately), by simply removing the small square panel which conceals the ring, you can actually shoot directly through the middle of the panel.
- **Can be Joined Together**
  For creating larger, uniform reflective surfaces, the 3-D Reflectors can be joined at the corners with built-in, convenient Velcro strips.
- **Make the Most out of Any Light Source**
  The 3-D Reflectors can be used with electronic flash, tungsten lighting, or outdoors in daylight, particularly with the translucent fabric..
- **Choice of Three Sizes**
  The 3-D Reflectors are available in Small (31 x 41"), Medium (44 x 58") and Large (60 x 86").

## 3-D Reflector and ZipDisc Fabrics

**Gold** Great for warm skin tones and filling in shadows by reflecting golden sunlight.

**Soft Gold** Combines gold and silver in a "Z" pattern. Turns high contrast into an even tone and adds a warmth to your subject.

**Silver** Adds specular highlights for a high-contrast image.

**White** Illuminates curves and details with natural, white light.

3-D Reflectors include fabric and support wands (mounting ring available separately)

**Small 3-D Reflectors** (31 x 41")

| | | |
|---|---|---|
| Gold/White | RM5000 | $79.95 |
| Gold-Silver/White | RM5010 | $89.95 |
| Silver/Black | RM5020 | $99.95 |
| Translucent | RM5030 | $59.95 |

**Medium 3-D Reflectors** (44 x 58")

| | | |
|---|---|---|
| Gold/White | RM5040 | $109.95 |
| Gold-Silver/White | RM5050 | $119.95 |
| Silver/Black | RM5060 | $129.95 |
| Translucent | RM5070 | $69.95 |

**Large 3-D Reflectors** (60 x 86")

| | | |
|---|---|---|
| Gold/White | RM5080 | $299.95 |
| Gold-Silver/White | RM5090 | $329.95 |
| Silver/Black | RM5190 | $339.95 |
| Translucent | RM5290 | $239.95 |

**Mounting Ring**
**RD3100 $19.95**

**Small Front Reflector Panel**

| | | |
|---|---|---|
| Gold/White | RM5300 | $26.95 |
| Gold-Silver/White | RM5310 | $31.95 |
| Silver/Black | RM5320 | $29.95 |
| Translucent | RM5330 | $19.95 |

**Medium Front Reflector Panel**

| | | |
|---|---|---|
| Gold/White | RM5340 | $41.95 |
| Gold-Silver/White | RM5350 | $49.95 |
| Silver/Black | RM5360 | $47.95 |
| Translucent | RM5370 | $29.95 |

**Large Front Reflector Panel**

| | | |
|---|---|---|
| Gold/White | RM5380 | $44.95 |
| Gold-Silver/White | RM5390 | $94.95 |
| Silver/Black | RM5400 | $84.95 |
| Translucent | RM5410 | $41.95 |

**Swivel Umbrella Adapter**



Perfect for mounting 3-D Reflectors to light stands with 5/8" stud. Locks in any angle for maximum articulation. **MF3420 $19.95**

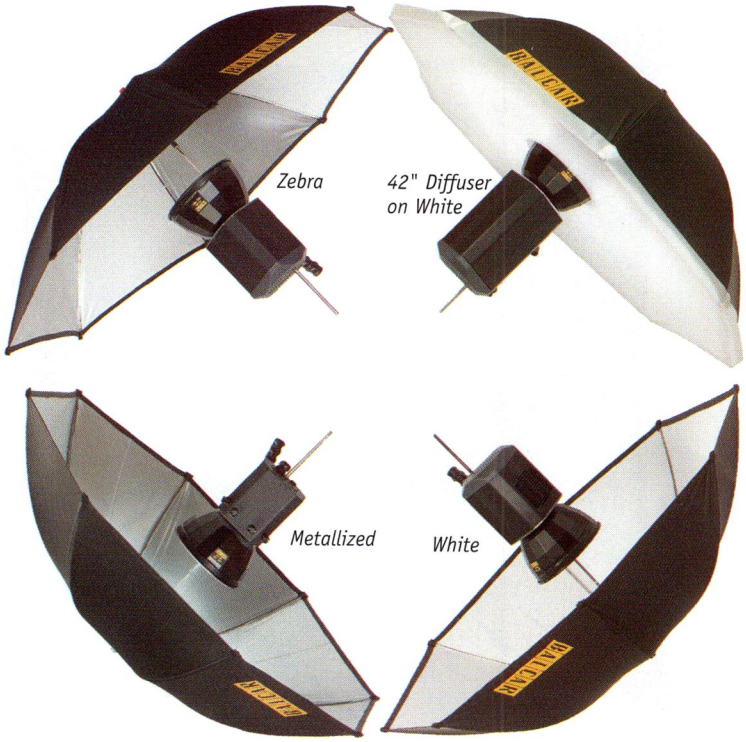
# Balcar & Calumet Umbrellas



## With Covered-rib Design

### Ⓐ Calumet 45" Soft Bounce Umbrella

An excellent general purpose umbrella featuring white, satin-textured reflective fabric positioned under the rib structure, removing the ribs from the path of light and eliminating their ghost image on the subject. A removable black fabric cover fastens easily over the structure to contain any light from penetrating the white fabric,eliminating bounce light which could contaminate color balance. For high key lighting, remove cover to allow light (approximately 25%) to pass through and bounce around studio. Measures 42" across, 7½" deep, 49" across top, 28" long (closed) and has a 5/16" diameter shaft. **AU3050 $29.95**
**Buy 3 or More $24.95 ea.**






## Now Features Removable Silver Fabric

### Ⓑ Calumet Silver/White Umbrellas

These dual-purpose umbrellas feature a white interior surface backed by a removable silver fabric with a black backing which provides a soft, but highly efficient bounced light source. For close-up lighting, the silver/black backing can be removed, allowing you to get closer to the subject while lighting through the umbrella. Unique ten-panel design provides maximum reflectance and a circular pattern of light.

| | | |
|---|---|---|
| 36" | AU3036 | $59.95 |
| 46" | AU3046 | $79.95 |
| 60" | AU3060 | $159.95 |

### Calumet Silver Umbrella

Our 46" Silver Umbrella provides an efficient, directional reflected light. Its unique ten-panel design provides maximum reflectance and a circular pattern of light. **AU3146 $69.95**

### Balcar Umbrella System

In 1954, Balcar revolutionized photography by introducing the umbrella, and still remains at the forefront of umbrella design today. Balcar offers three different models — White, Zebra and Metallized Silver — in two different sizes. All produce efficient, consistent light of uniform color temperature and evenness.

The White model totally diffuses light over a large angle, producing a gentler light with lower overall contrast — especially suited for reducing reflections on the white walls of a studio. The Zebra, with alternating white and silver panels, increases light output 8/10-stop higher than the White umbrella, giving you more directional light and higher contrast with its slightly tighter angle. Metallic Silver increases light output by 1 6/10-stop compared to the White umbrella and its tighter angle results in higher contrast. Umbrella Diffusers can be mounted onto any umbrella to create varying degrees of silken light depending on which model is used.

**42" Standard Umbrellas**

| | | |
|---|---|---|
| White | BF20201 | $99.95 |
| Zebra | BF20202 | $104.95 |
| Metallized | BF20203 | $119.95 |

**61" Jumbo Umbrellas**

| | | |
|---|---|---|
| Zebra | BF20206 | $259.95 |
| White | BF20205 | $239.95 |
| Metallized | BF20207 | $279.95 |

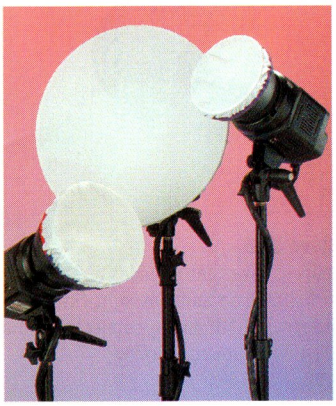
**Umbrella Diffusers**

| | | |
|---|---|---|
| 42" Diffuser | BF20301 | $39.95 |
| 61" Diffuser | BF20302 | $89.95 |
| 61" Diffuser 3-Head | BF20303 | $89.95 |
| 61" Diffuser Square | BF20304 | $159.95 |

Exclusive Calumet



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## Xenophon Light Modifiers

Here's a simple and economical solution for on-the-spot light modifying. These diffuser/modifiers slip right over the ridge of your circular reflector to help reduce light intensity, producing a softer and broader quality of light, while still maintaining the same light quality. If you need to further reduce your light output, just slip another modifier over the first. They also can be used with other light modifiers such as umbrellas, grids, honeycombs and barn doors. Perfect for altering your light in cramped conditions or on location. Constructed of lightweight, durable nylon, Xenophon Light Diffusers are reversible and washable. (Measurements are reflector diameters.)

| | | |
|---|---|---|
| 4½" Light Modifier | XB4000 | $12.95 |
| 7" Light Modifier | XB4007 | $24.95 |
| 9" Light Modifier | XB4009 | $26.95 |
| 11" Light Modifier | XB4011 | $28.95 |
| 16" Light Modifier | XB4016 | $29.95 |
| 20" Light Modifier | XB4020 | $29.95 |

TECHNICAL ASSISTANCE
Toll-Free 1-888-888-9083

# Great Light Control for Fashion, Beauty & Portraits

## Mola Reflectors

Get more precision results out of less light than traditional reflectors. Designed by a photographer for use with most major brand flash heads, Mola reflectors capture and focus the light with maximum efficiency. They intercept all light paths, no matter which direction they leave the flash tube, and redirect them toward the subject. The results: light of an unmatched clarity and color.

Mola reflectors provide a slight warming effect with exceptional clarity made possible by a specially formulated reflector coating. Internal and external diffusers (included) can modify edge-light feathering, light temperature and dampen UV light output. That clarity, efficiency, outstanding light control and a choice of three sizes, make Mola a preferred reflector over less-efficient box lights.

### Demi

The 22" Demi features a shallow profile and many built-in features which produce an even core of light surrounded by a smoothly graduated feather edge. Requires insert adapter. Also accepts Norman 22" grid.
**M01022 $259.95**

Norman 22" Grid **NR4440 $196.95**

### Euro*

Featuring the same design as the Demi, the larger 33½" Euro model is equipped with a swivel handle allowing for greater reflector manipulation, versatility of movement and stress reduction. Requires insert adapter.
**M01033 $639.95**

** Drop shipped directly from vendor.*

### Setti

The mid-size 28" Setti's shape differs dramatically from that of the Euro or Demi with its deeper contours which create a narrower stream of light. The Setti has the unique ability to use the fixed position of a flash head or to utilize a flash head which can move along the Setti's center axis to create this directional quality. Requires insert adapter.
**M01028 $519.95**



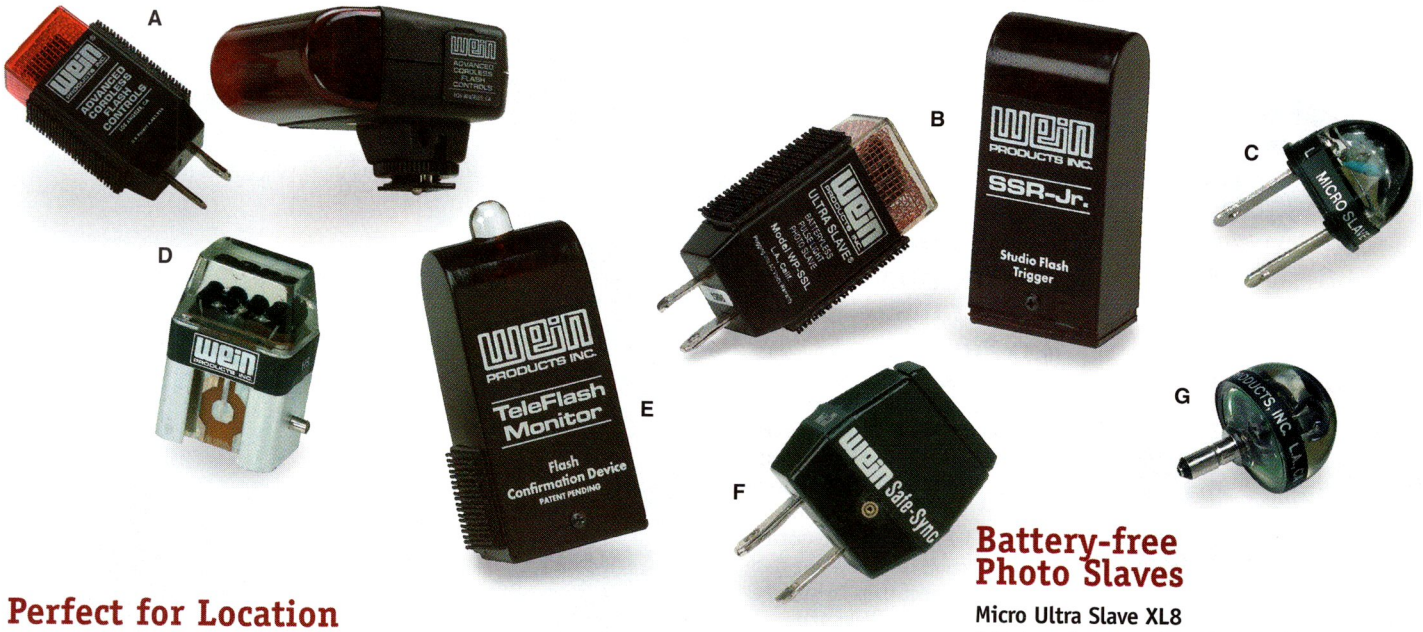
*Portrait using Mola Euro Reflector by Walter Melrose - Toronto, Ontario*



## Mola Insert Adapters

| | | | | | |
|---|---|---|---|---|---|
| Calumet Insert | CH1802 | $36.95 | Dyna-Lite Insert | CH1808 | $52.95 |
| Balcar Insert | CH1800 | $16.95 | Comet Insert | CH1806 | $29.95 |
| Norman Insert | CH1812 | $16.95 | Elinchrom Insert | CH1810 | $32.95 |
| Speedotron Insert | CH1820 | $16.95 | Profoto Insert | CH1818 | $94.95 |

# Photo Slaves




## Perfect for Location

### Wein Pro-Sync Series

Location shooters and large (multi-photographer) studios will appreciate these special coded infrared systems. Pro-Sync Coded Infrared Systems provide cordless, omni-directional remote flash control with virtual immunity to interference. Pro-Sync coded infrared technology cannot be triggered by other flash or light source, or by cellular phones, pagers or cordless mics.

The Pro-Sync transmitter can be mounted on and fired by any standard camera hot shoe. Two "AA" batteries provide power for up to 5000 shots, with recycle times averaging less than a second.

The Pro-Sync receiver plugs into your remote flash awaiting the transmitter signal. Nothing else can trigger the receiver, not even a full-power flash fired inches away. Yet these sensitive receivers can pick up the transmitter's signal from behind backdrops, soft boxes and even around a room full of people. Systems listed here include receivers with household-style "H" prong. They are also available with European-style monoplug sync connectors. For additional versatility, each receiver also has a standard PC terminal.

**Pro-Sync LX 2 Channel System**
Features two private-coded operating channels which accommodate separate lighting setups or allows two photographers to work in the same area without interfering with one another. Top-mounted rocker switches provide selective control of remote flashes. An integral PC terminal allows "series" connection of a camera mounted and a remote flash. Operates up to 600' indoors. Transmitter requires two AA batteries (not included). Includes one transmitter and one H-Prong receiver.
**CG2001 $288.95**

**Pro-Sync System with Monoplug**
Same as above but with Monoplug receiver.
**CG2004 $299.95**

**Additional Pro-Sync LX Receivers**
Includes Miniplug to PC cord and Velcro strip for mounting.

| | |
|---|---|
| H-Prong type receiver | **CG2016 $119.95** |
| Monoplug type receiver | **CG2017 $129.95** |

**Ⓐ Pro-Sync 1 System**
This economical, basic infrared remote control system features one private-coded channel compatible with additional Wein Pro-Sync receivers on channel-1. Includes one transmitter and one receiver.
**CG2025 $239.95**

Pro-Sync 1 Receiver **CG2013 $99.95**

## Slaves for the Studio

### Wein SSR Studio Systems

These high powered slave/trigger kits let you fire your slaved strobes without a triggering flash. Eliminates the need to hook up PC cords to your main flash or use a camera-mounted strobe. Just mount the compact SSR transmitter to your hot shoe or connect it to the camera PC terminal. A super-sensitive SSL Ultra Slave picks up the signal from any direction and fires the main flash, which in turn triggers all other slaved strobes. Systems featured here include receivers with household-style "H" prong. They are also available with European-style monoplug sync connectors.

**SSR**
This high powered system, with a maximum range of 600', is great for big studios or large-scale industrial/architectural work. Two "AA" batteries in the transmitter power up to 5000 shots. Includes one transmitter and one Ultra Slave Receiver. **CG1700 $176.95**

**Ⓑ SSR-Jr. (Open Channel)**
Excellent for the average-size studio, the SSR-Jr. has a maximum range of 150'. One 9V battery in the transmitter gives you over 100,000 shots. Recycle times average less than ½ sec. with fresh battery. **CG1711 $146.95**

Ultra Slave Receiver ("H" prong) **CG1500 $83.95**

Ultra Slave Receiver (Monoplug) **CG1512 $95.95**

## Battery-free Photo Slaves

**Micro Ultra Slave XL8**
A high performance slave that provides a range up to 400'. It also features an ambient light-filtered for reliable outdoor use, "H" prong connector and a PC terminal as an alternate connection.
**CG1010 $45.95**

**Ⓒ Calumet Universal Slave**
This dependable and efficient slave has a sensitivity range up to 150', even with bounced light. Features a household, "H" prong connector and a tough, epoxy housing which is not only a super-efficient light collector, but also protects the unit against inclement temperatures, humidity and air pressure extremes. **CG1000 $27.95**

**Ⓓ Hot Shoe Slave**
Attaches directly to the foot of any shoe-mount flash – no other connection is necessary. Constructed of aircraft aluminum and solid epoxy, the HS is virtually indestructible, and has an operating range of up to 150'. Also features an integral ¼-20 threaded socket for tripod, monopod or light stand mounting, and has a PC terminal for use with non-shoe flash units. **CG2500 $33.95**

**Ⓔ TeleFlash Monitor**
Lets you know, positively and at a glance, that all of your remote flash has fired. Simply stick a cordless TeleFlash onto each flash in your setup, and it will detect a good flash firing (through the electro-magnetic surge) and blinks a bright red LED for 10-15 seconds, then automatically resets for the next shot. One 9V battery (not included) provides power for thousands of activations.
**CG3010 $43.95**

**Ⓕ Safe Sync**
Reduces flash synchronization voltage to 6V, protecting camera shutter contacts from arcing and pitting. **CG1125 $27.95**

**Ⓖ Peanut Slave**
This handy little slave attaches directly to a Vivitar 283/285 flash, or any other flash via PC Cord, and has an operating range of up to 100'. Solid cast epoxy protects circuitry inside from elements.
**CG1200 $16.95**

Household ("H" prong) to Phono Adapter
**CG2600 $19.95**

# New Age In Remote Triggering!




## PocketWizard Plus

The PocketWizard Plus is built around a new streamlined case with a hot shoe mount on the transmitter and a cold shoe on the receiver. Each unit has a 1/4-20 threaded mount for use with a utility clamp, and the hanging lanyard included with the kit makes mounting a remote receiver on a stand a snap. The captive battery door means you can never lose it while changing batteries and juggling ten other tasks simultaneously as photographers need to do. The two AA batteries can be changed quickly, and the new 200-hour battery life will carry you through many jobs worry free. Four digitally coded channels provide reliable triggering for up to four photographers in the busiest reception halls.

### PocketWizard Plus Specifications

| | |
|---|---|
| Range: | 800' plus |
| Channels: | 4 digitally-coded I.D. numbers |
| Sync Speed: | Up to 1/250 (focal plane)<br>1/500 (leaf) |
| Batteries: | 2 AA (200 hrs.) Rec, (250 hrs.) Trans. |
| Weight: | 4 oz. (with batteries) |
| Dimensions: | 3.6(h) x 2(w) x 1.4(d) |
| Mounting: | Transmitter – hot shoe<br>Receiver – Velcro®<br>Both ¼-20 thread mound or lanyard |

| | | |
|---|---|---|
| PocketWizard Plus<br>Radio Control Kit | FW1002 | $307.95 |
| PocketWizard Plus Transmitter | FW1006 | $157.95 |
| PocketWizard Plus Receiver | FW1004 | $182.95 |

### Pocket and FlashWizard Cables

| | | |
|---|---|---|
| Miniphone Household Cord | FW1060 | $18.95 |
| Miniphone ¼" Phono Cord | FW1075 | $17.95 |
| Miniphone to Miniphone | FW1077 | $17.95 |
| Miniphone Elinchrom | FW1080 | $49.95 |
| Metz 6-Pin 16" Cord | FW1081 | $35.95 |
| 3 HD House Female M3H | FW1079 | $24.95 |
| Nikon Motor Drive Cable NM3 (F3/F4) | FW1110 | $75.95 |
| Canon Cable (w/Canon T3) | FW1120 | $17.95 |
| Hasselblad Motor Cord | FW1125 | $76.95 |
| Mamiya RZ Motor Cord | FW1135 | $99.95 |

*(NOTE: PocketWizard Plus is compatible with the first 4 channels of the original PocketWizard.)*

## PocketWizard Max




Utilizing advanced digital radio technology, the MAX can trigger all 16 original PocketWizard channels, plus an additional 16 channels with Quad Triggering and high speed sync. While shooting, a photographer can now shoose which lights to fire and which to turn off without ever leaving the camera position.

Five soft-touch buttons below the illuminated LCD display toggle four zones plus the on camera strobe on and off. The LCD display clearly indicates which zones are on and which are off, as well as the channel selected (1-32), trigger count and the current battery level.

The PocketWizard Max transmitter easily connects to your camera using the hot shoe mount or an optional cable. The receiver can be attached to a strobe pack using Velcro or quickly hung from a light stand using the attached lanyard and connected using the appropriate cable.
Other new MAX features include:

- Adjsutable display controls
- Backlight mode turns backlight on or off or activates it
- Speaker mode and volume provide audio feedback with volume adjustment
- Trigger counter can keep track of the number of times the transmitter sends a trigger signal
- Contact duration can be used to adjust "b" exposures and number of frames shot in continuous mode

### PocketWizard MAX Specifications

| | |
|---|---|
| Range: | 1600' Plus |
| Channels: | 32 digitally-coded I.D. numbers |
| Sync Speed: | Up to 1/250 (focal plane)<br>1/500 (leaf) 1/1000 in fast mode |
| Batteries: | 2 AA (200 hrs.) Rec, (250 hrs.) Trans |
| Weight: | 5 oz. (with batteries) |
| Dimensions: | 3.6(h) x 2(w) x 1.4(d) |
| Mounting: | Transmitter – hot shoe<br>Receiver – Velcro® shoe mount<br>Both ¼-20 thread mount or lanyard |

| | | |
|---|---|---|
| PocketWizard MAX<br>Radio Control Kit | FW1011 | $495.00 |
| PocketWizard MAX Receiver | FW1012 | $249.95 |
| PocketWizard MAX Transmitter | FW1013 | $249.95 |
| PocketWizard Receiver Kit (3) | FW1010K | $599.95 |

*(NOTE: PocketWizard Max is compatible with the first 16 channels of the original PocketWizard.)*




## Quantum Radio Slave 4i

You can use Radio Slave 4i to trigger any number of remote flashes without a sync cord or you can connect Radio Slave 4i to trip a motor-drive camera at great distances. Its coded radio signal works indoors, outdoors, around corners and through walls. Line-of-sight triggering is not required. Unlike other slaves, it cannot be overpowered by the light of a flash.

The newly developed Radio Slave 4i offers these refinements and features:

- Range up to 350' (200' with antenna down)
- Hot shoe mount for the sender unit. Radio slave also mounts to brackets, shoe mounts, etc.
- Instant retriggering for multiple flash bursts (no waiting between triggers as with infra-red slaves)
- Faster than any motordrive firing sequences
- Battery life increased five times
  Remote unit: 400 hrs. (alkaline)
  800 hrs. (lithium)
  Sender unit: 1-2 years
- Fastest sync speeds: 1/500 (focal plane)
  1/1000 (leaf)
  This extremely fast sync means Radio Slave 4i is indistinguishable from "wired" sync
- Unique LED status light lets you know that the remote units are on, gives confirmation of signal from sender unit and indicates low battery
- Superior interference-free reception. User selected, coded channels permit many Radio Slaves to operate in the same area

Radio Slave 4i Kit (Freq. D)
**GV3021 $309.95**
Radio Slave 4i Receiver (Freq. D)
**GV3023 $199.95**
Radio Slave 4i Transmitter (Freq. D)
**GV3026 $159.95**
*Other frequiencies available. Call for details.*

### Quantum Slave Cords

| | | |
|---|---|---|
| Nikon Motor Cord | GV3025 | $48.95 |
| Hasselblad ELX Cord | GV3030 | $48.95 |
| Canon Motor Cord (EOS) | GV3050 | $79.95 |
| Mamiya Motor Cord | GV3043 | $79.95 |
| AC Adapter for Radio Slave 4i | GV3039 | $48.95 |
| Sync Cord for Transmitter (replacement) | GV3041 | $22.95 |

# Meter Feature Comparison Chart




## Spot Meters

| Meter | ISO Range | F/Stops | Shutter Speeds | Type of Cell | Exposure Readout | Battery | Measuring Range at ISO 100 | Meas. Angle | Flash/ Continuous | Filter Size | Supplied with: | Item Number | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gossen Ultra Spot | 1 to 80,000 | 1 to 90.9 | 1/8000 to 60 min. | Silicon | LCD | 9V DU1030 | Ambi: EV 1 to 22 Flash: f/2.8 to 45 | 1° | Both | 43mm | Case, Battery, Strap, Gray Chart | GS4030 | $680.00 |
| Minolta Spot Meter F | 12 to 6400 | 0.7 to 90.9 | 1/8000 to 30 min. | Silicon | LCD | AA (1) DU1000 | Ambi: EV 1 to 22.5 Flash: f/2.0 to 90.9 | 1° | Both | Not Threaded | Neck Strap, Cap, Belt Case | MN4015 | $412.95 |
| Sekonic L-778 Dual Spot F | 1 to 12,500 | 0.5 to 128.9 | 1/8000 to 30 min. | Silicon | LCD | AA (2) DU1000 | Ambi: EV -5 to 24 Flash: f/.5 to 128.9 | 1° and 3° | Both | 40.5mm | Case, Batteries, Strap | SE4200 | $749.95 |

## Flash/Multi Purpose Meters

| Meter | ISO Range | Shutter Speeds | Type Of Cell | Exposure Readout | Battery | Measuring Range at ISO 100 | Cord/ Cordless | Flash/ Continuous | Supplied with: | Item Number | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gossen Luna Star F2 | 3 to 8000 | Ambi:1/8000 to 60 min. Flash:1/1000 to 1 sec. | Silicon | LCD | 9V DU1030 | Ambi: EV -2 to 23 Flash: f/1.0 to 90 | Both | Both | Case, Battery, Strap | GS4028 | $341.95 |
| Gossen Luna Pro F | 0.8 to 100,000 | 1/4000 to 8 Hrs. | Silicon | Analog Nulling System | 9V DU1030 | Ambi: EV 1 to 17 Flash: f/0.7 to 128 | Cordless Only | Both | Case, Battery, Strap | GS4015 | $318.95 |
| Minolta Auto IV F | 3 to 8000 | Ambi:1/8000 to 30 min. Flash:1/500 to 1 sec. | Silicon | LCD | AA (1) DU1000 | Ambi: EV -2.0 to 19.9 Flash: f/1.0 to 90 | Cordless Only | Both | Case, Strap | MN4005 | $239.95 |
| Minolta Flash Meter V | 8 to 6400 | 1/16,000 to 30 min. | Silicon | Auto EL LCD | AA (1) DU1000 | Ambi: EV -2 to 19.9 Flash: f/0.7 to 90.9 | Both | Both | Case, Reflector, Adapter | MN4056 | $432.95 |
| Polaris Digital | 3 to 8000 | Ambi:1/8000 to 60 sec. Flash: 1/500 to 1 sec. | Silicon | LCD | AA (1) DU1000 | Ambi: EV -2 to 19.9 Flash: f/0.2 to 90.9 | Both | Both | Case, Strap | SO2100 | $219.95 |
| Sekonic L-328 Digi Lite F | 3 to 8000 | Ambi:1/8000 to 30 min. Flash:1/500 to 1 sec. | Silicon | LCD | AA (1) DU1000 | Ambi: EV -1 to 19.9 Flash: f/1.4 to 90.9 | Both | Both | Case, Battery, Strap, Lumisphere, -disk, -grid | SE4135 | $279.95 |
| Sekonic L-718 | 3 to 8000 | Ambi: 1/8000 to 30 min. Flash:1/500 to 1 sec. | Silicon | LCD | AA (2) DU1000 | Ambi: EV -1 to 18 Flash: f/1.4 to 90.9 | Both | Both | Case, Battery, Strap, Lumisphere, -disk, -grid | SE4101 | $239.95 |
| Sekonic L-308BII | 3 to 8000 | Ambi:1/8000 to 60 sec. Flash: 1/500 to 1 sec. | Silicon | LCD | AA (1) DU1000 | Ambi: EV 0 to 19.9 Flash: f/1.4 to 90.9 | Both | Both | Case, Battery, Strap, | SE4030 | $259.95 |
| Sekonic L-408 | 3 to 8000 | Ambi:1/8000 to 30 sec. Flash: 1/500 to 1 sec. | Silicon | LCD | AA (1) DU1000 | Ambi: EV 1 to 19.9 Flash: f/1.0 to 90.9 | Both | Both | Case, Battery, Strap, | SE4080 | $329.95 |
| Sekonic L-508 | 3 to 8000 | Ambi:1/8000 to 30 min. Flash: 1/1000 to 1 sec. | 2 Silicon | LCD | AA (1) DU1000 | Ambi: EV 2 to 19.9 Flash: f/9.9 to 36.1 | Both | Both | Case, Battery, Strap, | SE4090 | $429.95 |

## Color Meters

| Meter | CC Filter Value | Color Temp. | Type Of Cell | Exposure Readout | Battery | LB Measuring Sync Speeds | Flash Continuous | Flash/ with: | Supplied Number | Item | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Minolta Color Meter IIIF | 0 to 200 M,G | 1600 to 40,000K | Triple Silicon | LCD | AA (2) DU1000 | -500 to +500 | 1/500 to 1 sec. | Both | Case, Battery, Strap | MN4021 | $999.95 |
| Gossen Color 3F | 0 to 95 M,G | 2000 to 40,000K | Triple Silicon | LCD | 9V DU1030 | -399 to +475 | 1/500 to 1/2 sec. | Both | Case, Battery, Strap | GS4050 | $910.95 |

## Continuous Light Meters

| Meter | ISO Range | F Stops | Shutter Speeds | Type of Cell | Exposure Readout | Battery | EV at ISO-100 | Comments | Supplied with: | Item No. | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gossen Luna Pro Digital | 3 to 8000 | 1 to 90 | 1/8000 to 1 hr. | Silicon | LCD | AA (1) DU1000 | -2.5 to 18 | Full Cine Scale | Case, Battery Neck Strap | GS4022 | $184.95 |
















## Minolta Meters

**Ⓐ Minolta Autometer IV F**
Features Brightness Difference, which indicates the EV difference between stored and subsequent readings, and Exposure Averaging, which takes shadow and highlight readings, and calculates exposure. Digital readout with LCD analog f/stop scale.
**MN4005 $239.95**

**Ⓑ Minolta Spotmeter F**
Provides 1° spot readings for ambient and flash. Its bright, SLR viewfinder displays exposure information. Also determines brightness range in a scene, calculates highlight and shadow readings or average the two.
**MN4015 $412.95**

**Ⓒ Minolta Color Meter IIIF**
This digital meter measures the color temperature, of ambient and flash light. Automatically figures appropriate filtration for any of the three major film types: Daylight, Type A and B Tungsten. Filtration can be displayed as LB (light-balancing) and CC (color-compensating) indexes, Wratten filter number(s), or color temperature (based on film sensitivity). **MN4021 $999.95**

**Ⓓ Minolta Flash Meter V**
This multi-function meter automatically distinguishes flash from ambient light and cord from non-cord operation. Its auto-analyze function displays the percentage of flash in mixed light exposures. Also helps check or balance uneven lighting and displays exposure requirements for Polaroid test films.
**MN4056 $432.95**

## Minolta Meter Accessories

**Meter Booster Set**
High sensitivity, reflected-light receptor for spot readings on ground glass and TTL exposure metering for critical flash measurements. Includes attachments for spot-probe, eyepiece, microscope and 35 film plane.
**MN4134 $289.95**

5° spot attachment (Flash Meter IV and Autometer IV F)
**MN4060 $129.95**

Flat disc diffuser **MN4410 $19.95**

Reflected Light Attachment
**MN4415 $19.95**

## Polaris Meter

**Ⓔ Digital Flash Meter**
Offers four exposure modes, an auto battery check and a user-preset function that allows you to program your settings for over- and under-exposure in 1/10-stop increments. Its unique multi-flash feature makes it a breeze to calculate and add cumulative flash exposures. The easy-to-read LCD panel displays direct ambient readings in f/stop or EV values. Includes 2-year U.S. warranty.
**S02100 $219.95**

## Sekonic Meters







**Ⓕ L-508 Zoom Master**
This zoom spot meter is an incident meter and a flash meter safely protected in an all-weather housing. Features 1 to 4° zoom spot viewfinder, 270° swivel head and a built-in retractable incident Lumisphere. Offers both cord and cordless flash metering and a combination of both daylight/synchro fill-flash with spot or incident measurement. **SE4090 $429.95**

**Ⓖ L-408M Multimaster**
The world's first water-resistant exposure meter, the L-408M offers ambient/flash readings, a built-in 5° spot metering viewfinder and incident measuring capabilities. Features include multi-flash mode for cumulative flash measuring, aperture- or shutter-priority exposure mode, digital and analog display and three exposure memory in each (incident, contrast and reflected) mode.
**SE4080 $329.95**

**Ⓗ L-718 Digi Master**
Multi-purpose meter combines seven different functional modes and a built-in micro computer to provide cumulative flash metering. Operates in aperture- and shutter-priority, and provides illuminated LCD readout.
**SE4101 $239.95**

5° Spot Attachment for L-718
**SE4137 $119.95**













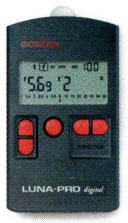
**Ⓘ L-308B II Flashmate**
The world's smallest flash/ambient exposure meter. This "palm-sized" digital meter reads cord and cordless flash, incident and reflected ambient light. **SE4030 $259.95**

Lumidisk Attachment for L-308B II
**SE4105 $9.95**

**Ⓙ L-328 Digilite F**
This compact meter features incident or reflected light measurement of ambient or flash light, digital and analog display, pivoting 270° light receptor head and auto shutoff.
**SE4135 $279.95**

5° Spot Attachment for L-318 and L-328 **SE4136 $99.95**

**Ⓚ L-778 Dual Spot F**
This digital spot meter features dual measuring angles (1° or 3°) for flash and continuous light metering. Film latitude function warns when consecutive readings are outside specified film latitude. Illuminated viewfinder offers diopter corrections.
**SE4200 $749.95**







## Gossen Meters

**Ⓛ Luna-Pro Digital**
Lightweight digital meter measures incident and reflected light with excellent low-light sensitivity. Analog scale displays contrast range for multiple readings. **GS4022 $184.95**

**Ⓜ Luna Star F2**
Automatically measures and analyzes flash and continuous light in a single metering operation. Features a rotating head that measures incident and reflected light and calculation for multiple flash exposures.
**GS4028 $341.95**







**Ⓝ Ultra Spot 2**
For ambient light and flash readings, this versatile meter is easy to handle and operate. Viewfinder features 1° measuring circle and a complete display of exposure information.
**GS4030 $680.00**

**Ⓞ Color Pro 3F**
This three-color meter analyzes flash and continuous light. Color temperature is measured and corresponding filters in light-balancing CC values are displayed. Great for location shooters.
**GS4050 $910.95**

### Rosco Tungsten Conversion Filters

Typically used to balance tungsten-halogen sources with daylight, these blue filters come in five densities (Full, ½, ⅓, ¼ and ⅛) to allow you to raise color temperature precisely as needed, resulting in a multitude of technical and aesthetic color correction possibilities.

**Full Blue CTB (3202)**
**Converts Tungsten to Daylight**

| | | |
|---|---|---|
| 48" roll | **RC3202** | **$123.95** |
| 20 x 24" sheet | **RC5406** | **$6.25** |

### Rosco Fluorescent Light Filters

Here's the way to avoid that dreaded green fluorescent cast. These filters allow two solutions: you can either balance all other light sources to cool white fluorescents or convert all fluorescents to balance with your daylight or tungsten sources.

**Tough Plusgreen (3304)**
Converts daylight to cool white fluorescent

| | | |
|---|---|---|
| 54" roll | **RC6901** | **$129.95** |
| 20 x 24" sheet | **RC5408** | **$6.25** |

**Tough Minusgreen (3308)**
Converts cool white fluorescents to daylight

| | | |
|---|---|---|
| 54" roll | **RC6701** | **$129.95** |
| 20 x 24" sheet | **RC5407** | **$6.25** |

**Fluorofilter (3310)**
Converts cool white fluorescents to tungsten.

| | | |
|---|---|---|
| 54" roll | **RC6001** | **$129.95** |
| 20 x 24" sheet | **RC5401** | **$6.25** |

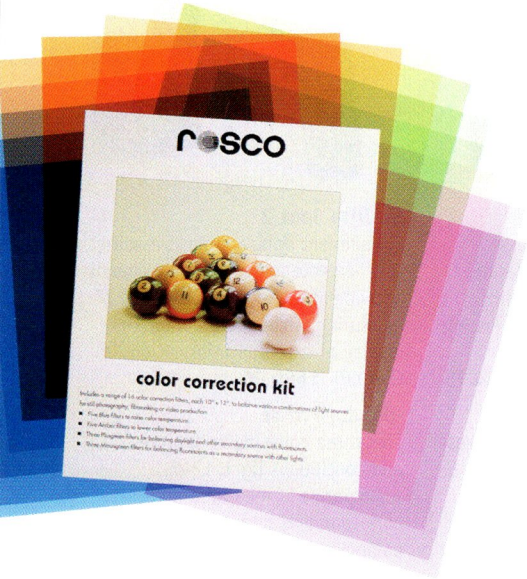
*(Note: Use Full Blue and Tough Plusgreen to convert tungsten to cool white fluorescent light.)*

### RoscoSun 85

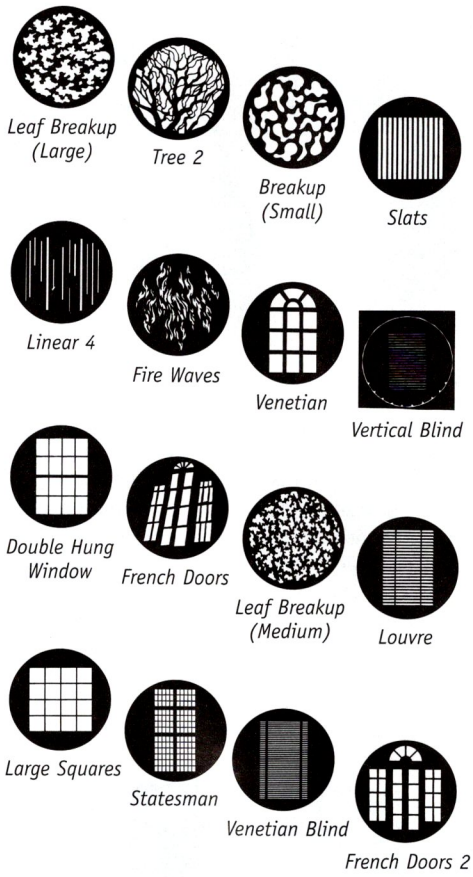
The popular RoscoSun 85 is an amber filter that lowers the color temperature of daylight to balance with 3200° K.

**RoscoSun 85 (3401)**

| | | |
|---|---|---|
| 57" roll | **RC3401** | **$123.95** |
| 20 x 24" sheet | **RC5405** | **$6.25** |




## Rosco's Designer Patterns




### Rosco Gelly Roll

Keep your lighting gels and diffusion filters organized and protected in this durable nylon canvas pouch. Gelly Roll is sewn to a rigid PVC tube for compact storage and transportation. Holds up to 20 - 20 x 24" gels in the inside pocket and the pouch can be rolled up and secured with attached elastic straps which permit quick access.
**G02000 $39.95**

### Rosco Filter Kits

**Color Effects Kit**
This creative color kit includes 10 color filters: #12 Straw, #21 Golden Amber, #26 Light Red, #33 No Color Pink, #44 Middle Rose, #47 Light Rose Purple, #51 Surprise Pink, #60 No Color Blue, #83 Medium Blue and #91 Primary Green.

| | | |
|---|---|---|
| 10 x 12" Color Effects Kit | **RC1000** | **$34.95** |
| 20 x 24" Color Effects Kit | **RC1001** | **$47.95** |

**Diffusion Kit**
Kit includes 13 diffusion materials for a complete range of diffusion effects in closely graded steps.

| | | |
|---|---|---|
| 10 x 12" Diffusion Kit | **RC1020** | **$32.95** |
| 20 x 24" Diffusion Kit | **RC1021** | **$62.95** |

**Color Correction Kit**
Balance any light source to any reference with this 16 filter light absorbing kit. Includes 5 grades of amber, 5 of blue, 3 of plusgreen and 3 of magenta.

| | | |
|---|---|---|
| 10 x 12" Color Correction Kit | **RC1015** | **$34.95** |
| 20 x 24" Color Correction Kit | **RC1016** | **$76.95** |

### Rosco Patterns and Holders

These standard "B" size (86mm O.D.) patterns are made of stainless steel, and when supported by a pattern holder, can be projected from any 6" ellipsoidal spotlight with a pattern slot. Many manufacturers spot lights also have dedicated pattern holders.

**Patterns**

| | | |
|---|---|---|
| Leaf Break Up | RC8005 | $11.49 |
| Tree 2 | RC8017 | $10.95 |
| Break Up (Small) | RC8042 | $10.95 |
| Slats | RC8050 | $10.95 |
| Linear 4 | RC8055 | $10.95 |
| Fire/Waves | RC8070 | $10.95 |
| Venetian | RC8271 | $10.95 |
| Vertical Blind | RC8077 | $10.95 |
| Double Hung Windows | RC8082 | $10.95 |
| French Doors | RC8096 | $10.95 |
| Leaf Break Up 7806 | RC7990 | $10.95 |
| Louvre | RC8079 | $10.95 |
| Large Squares | RC8269 | $10.95 |
| Statesman | RC8270 | $10.95 |
| Venetian Blind | RC8075 | $10.95 |
| French Doors 2 | RC7999 | $10.95 |

**Tabbed Pattern Holder**
This model has three tabs which hold round patterns securely. Holds a "B" size pattern.
**RC4100 $6.95**

**Sandwich Pattern Holder**
Serves as a heat sink allowing the patterns to burn cooler, reducing warpage and extending pattern life. Holds a "B" size pattern. **RC4110 $6.95**

**Channel Pattern Holder**
For use with thicker glass patterns. Accepts a "B" size stainless steel patterns. **RC4130 $7.95**

### Rosco Diffusion Filters

**Light Diffusion Filters**
¼- to ½-stop light loss, retains beam pattern.

| | | |
|---|---|---|
| Tough Spun, 48" roll | **RC3055** | **$108.95** |
| Tough Spun, 20 x 24" sheet | **RC5105** | **$6.25** |
| Opal Tough Frost, 48" roll | **RC8652** | **$119.95** |
| Opal Tough Frost, 20 x 24" sht. | **RC4910** | **$6.25** |

**Medium Diffusion Filters**
½- to ¾-stop light loss, partial beam pattern.

| | | |
|---|---|---|
| Tough Frost, 48" roll | **RC3008** | **$108.95** |
| Tough Frost, 20 x 24" sheet | **RC5103** | **$6.25** |
| Light Tough Frost, 48" roll | **RC3049** | **$108.95** |
| Light Tough Frost, 20 x 24" sht. | **RC5102** | **$6.25** |

**Heavy Diffusion Filters**
¾- to 1-stop light loss, no discernable pattern.

| | | |
|---|---|---|
| Tough White Diffusion, 48" roll | **RC3026** | **$108.95** |
| Tough White Diff., 20 x 24" sht. | **RC5116** | **$6.25** |
| Tough Rolux, 48" roll | **RC3047** | **$108.95** |
| Tough Rolux, 20 x 24" sheet | **RC5111** | **$6.25** |




Exclusive Calumet

## The Professional's Choice

### Bowens Jetstream Wind Machine

The variable-speed Jetstream Wind Machine makes special effects a breeze and adds a sense of motion to your shots. It's great for glamour shots or for controlling the smoke or fog on a set. For maximum gusts, turn the control to full power and you'll create 2400 RPM of controllable wind! Its remote operating cable enables you to operate its speed from up to 20' away, so you can adjust the effects from your camera from a gentle draft to an intense, steady bluster. The Jetstream only weighs 13.5 lbs. and features a 5/8" mount to fit most light stands. Dimensions: 12(l) x 10(d)"

**BW1900 $969.95**



## Control Your Own Wind Tunnel!

### Varibeam ReFan II

Finally, an affordable fan that lets you control wind. The ReFan II incorporates the same durable motor as the original ReFan with an adjustable speed control and one-touch burst button to instantly generate the highest output. What's new to the ReFanII's unique design is the controllable wind tunnel for a variety of effects! Now you can adjust the beam focus from a focused (10°: 3.5' diameter @ 10') to flood (45°: 8' diameter @ 10'). The REFan II balances on a versatile mounting yoke that rests on any surface or mounts to any floor or C stand. Weighs only 20 lbs and measures: 14(l) x 19(w) x 22(h)"

**AA3020 $995.00**

Order Anytime Day or Night!
Toll Free Fax 1-800-577-3686

### Rosco Fog Machines

**Alpha 900 Fogger**

Rosco's newest—and most economical—fog machine is an excellent choice for applications where the effect does not have to be controlled. A simple on-off switch in the remote control initiates a powerful blast of smoke. At only 11 lbs. with a remote power cord of 15', the output from the 1000w heater of this compact machine is truly remarkable. The Alpha 900 Fogger is UL listed, carries a limited Rosco warranty and accepts the entire range of Rosco fog fluids. **RC5975 $369.95**

**Smoke Fluid**

When vaporized, this unique formula produces a dense, realistic fog with no unpleasant odor.

| | | |
|---|---|---|
| 1 Liter | RC6025 | $13.95 |
| 2.5 Liter | RC6023 | $34.95 |
| 1 Gallon | RC6020 | $42.95 |




CalColor calibrated color by rosco

## Calibrated Color Effects Filters for Film Lighting!

### CalColor by Rosco

This series of color effects lighting filter designed specifically to the spectral density of color film. CalColor filters adjust the transmission of these color components at the individual light source so you can correctly predict how your film will render. For instance, a CalColor 90 Green selectively enhances green transmission by reducing the effective blue and red transmission by three stops. Each color is designed in four densities: 15, 30, 60 and 90, corresponding to the familiar ½, 1, 2, and 3-stop calibrations.

**20x24 Sheets**

| | | |
|---|---|---|
| 15 Blue (½stop) | RC4215 | $6.25 |
| 30 Blue (1 stop) | RC4230 | $6.25 |
| 60 Blue (2 stop) | RC4260 | $6.25 |
| 90 Blue (3 stop) | RC4290 | $6.25 |
| 15 Cyan (½ stop) | RC4315 | $6.25 |
| 30 Cyan (1 stop) | RC4330 | $6.25 |
| 60 Cyan (2 stop) | RC4360 | $6.25 |
| 90 Cyan (3 stop) | RC4390 | $6.25 |
| 15 Green (½ stop) | RC4415 | $6.25 |
| 30 Green (1 stop) | RC4430 | $6.25 |
| 60 Green (2 stop) | RC4460 | $6.25 |
| 90 Green (3 stop) | RC4490 | $6.25 |
| 15 Yellow (½ stop) | RC4515 | $6.25 |
| 30 Yellow (1 stop) | RC4530 | $6.25 |
| 60 Yellow (2 stop) | RC4560 | $6.25 |
| 90 Yellow (3 stop) | RC4590 | $6.25 |
| 15 Red (½ stop) | RC4615 | $6.25 |
| 30 Red (1 stop) | RC4630 | $6.25 |
| 60 Red (2 stop) | RC4660 | $6.25 |
| 90 Red (3 stop) | RC4690 | $6.25 |
| 15 Magenta (½ stop) | RC4715 | $6.25 |
| 30 Magenta (1 stop) | RC4730 | $6.25 |
| 60 Magenta (2 stop) | RC4760 | $6.25 |
| 90 Magenta (3 stop) | RC4790 | $6.25 |
| 15 Pink (½ stop) | RC4815 | $6.25 |
| 30 Pink (1 stop) | RC4830 | $6.25 |
| 60 Pink (2 stop) | RC4860 | $6.25 |
| 90 Pink (3 stop) | RC4890 | $6.25 |
| 15 Lavender (½ stop) | RC4915 | $6.25 |
| 30 Lavender (1 stop) | RC4930 | $6.25 |
| 60 Lavender (2 stop) | RC4960 | $6.25 |
| 90 Lavender (3 stop) | RC4990 | $6.25 |

## Red Wing: The Most Precise and Convenient Light Support System

Red Wing Light Booms are easy to set up and offer fingertip adjustment — no more wrestling matches with your boom every move you make!

These booms are constructed of high-strength aircraft aluminum in a unique, double-beam parallelogram design that maintains the angle of your light as you move it up and down. Red Wing's sliding counterweight system easily handles flash heads, soft boxes, Mola Soft Light Shapers and even hefty HMI lights.

What's most impressive about these booms is how smoothly and effortlessly they can be moved up and down by just a touch of a finger. Raise or lower the boom to any height and let go — it stays put, without locking, clamping or cranking.

### Red Wing Standard Boom

Perfect for general studio photography, large sets, portrait studios and low angle applications that other booms can't handle. With its accurate angle indicator, you can easily repeat your setup. The rotating head also has an angle indicator while providing a way of rotating the head 360° on its arm. The Standard Boom measures 9½' overall with a 6' reach and comes with two 12½ lb. lead shot counterweight bags. For more reach, optional head extensions are available in lengths of 18", 24", 30" and 48".

The Standard Model assembles in less than five minutes and requires no tools. It can be mounted to any cine light stand with 1⅛" female mount.
**RD1200 $419.95**

**Standard Boom with Stand Package**
With heavy-duty, 2-section Cine Stand & casters.
**RD1200K $499.95**

### Red Wing Compact Boom

The Compact Boom is a favorite among location photographers, table-top shooters and those with limited studio space. This boom features the same sleek, counterweight design as its big brother with the exception of an angle indicator. The Compact Boom measures 52" with a reach of 32" and disassembles to 38". Includes one 15 lb. lead shot counterweight bag. Head extensions are available in 18", 24" and 30" lengths. Quickly assembles in less than five minutes without tools. The Compact Boom can be mounted to any cine light stand with 1⅛" female mount. **RD1100 $319.95**

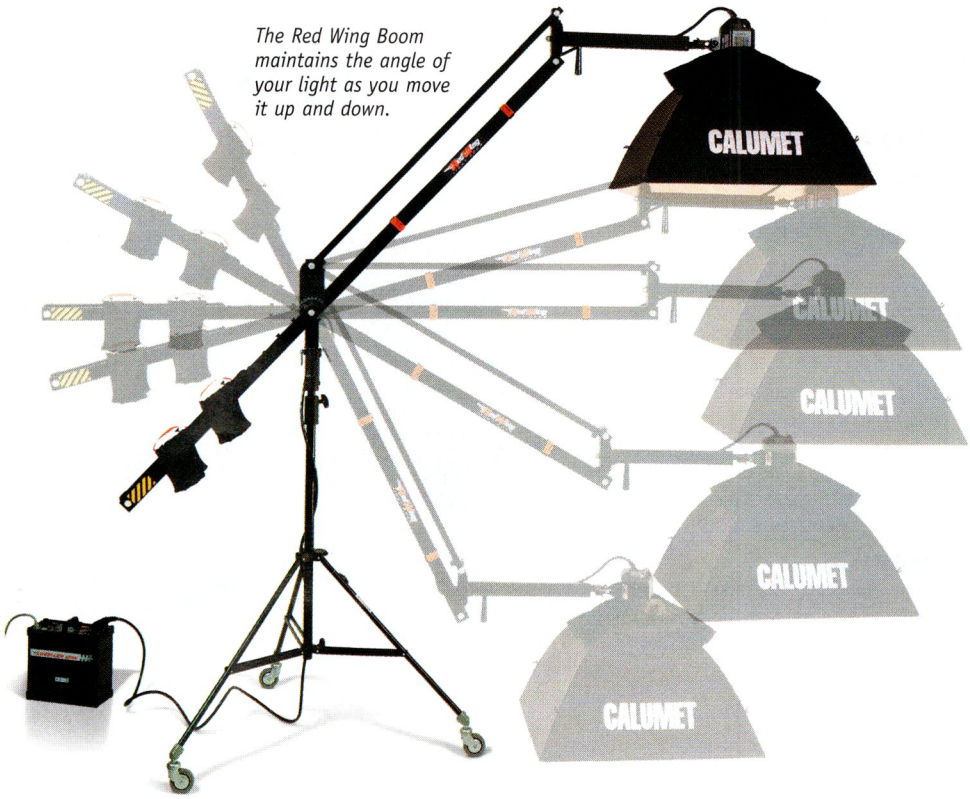
**Compact Boom with Stand Package**
With a heavy-duty, 2-section Cine Stand with casters. **RD1100K $399.95**

### Red Wing Boom Accessories

| | | |
|---|---|---|
| 18" Head Extension | RD1218 | $39.95 |
| 24" Head Extension | RD1224 | $48.95 |
| 30" Head Extension | RD1230 | $54.95 |
| 48" Head Extension | RD1248 | $69.95 |
| 15 lbs. Weight Bag Empty | RD1290 | $16.95 |
| 20 lbs. Weight Bag Empty | RD1295 | $18.95 |

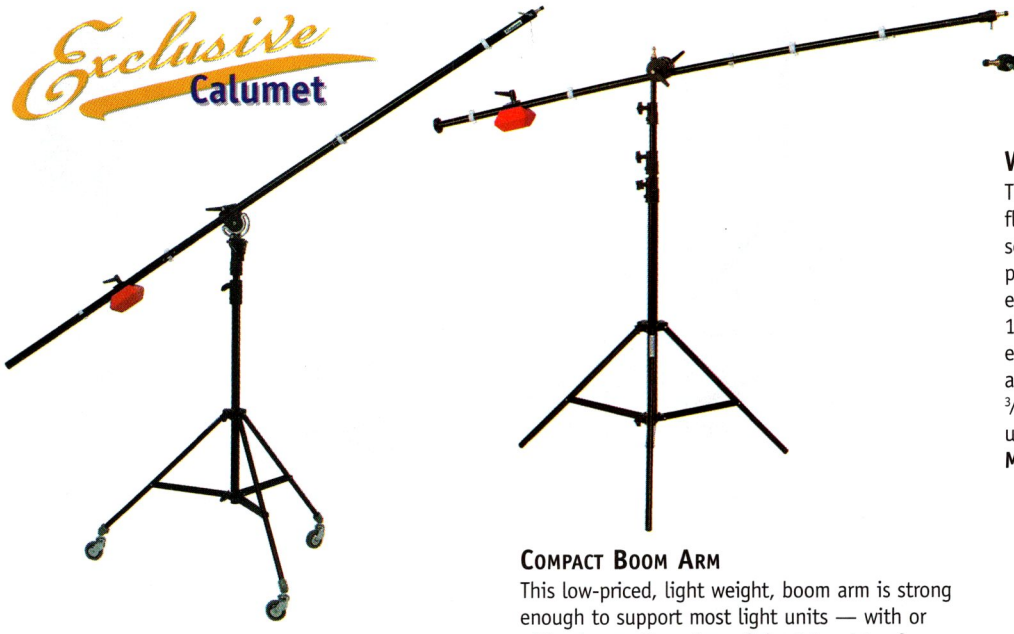



*Standard Red Wing Boom shown with optional heavy-duty 2-section Cine Stand. Special package available.*




*The Red Wing Boom maintains the angle of your light as you move it up and down.*

Exclusive Calumet



### Manual Boom/Stand

The same sturdy aluminum construction as the Heavy-Duty Boom, but without the remote control capabilities. Its 3-section pivoting boom arm extends over 8', breaks down easily for location shoots and comes complete with a 14¾ lb. counterweight. A 5/8" stud accepts most popular lighting units. The boom arm is supported by a rugged, two-section stand with smooth gliding casters. Height adjusts up to 86½". **MF3620 $269.95**

### Compact Boom Arm

This low-priced, light weight, boom arm is strong enough to support most light units — with or without a medium size soft box! Consists of a three-section, 6' arm with a pivoting clamp and 9½ lb. counterweight. Constructed of non-reflective, black anodized aluminum tubing. Includes 5/8" stud & 3/8" thread. **MF3510 $109.95**

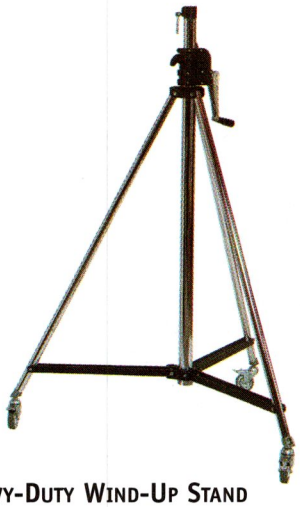
### Heavy-Duty Caster Stand w/Boom Arm

This economical package is ideal for any studio or location shooter. Includes Heavy-duty Stand (MF3400), Caster Set (MF3401) and Compact Boom Arm (MF3510). **MF0004 $209.95**



### Wall Mount Boom

This space-saving boom will give you more usable floor space in your studio. It consists of a two-section boom arm on a swivel mounting bracket. It provides a maximum extension of 82 7/10" (minimum extension is 47 1/5") and plenty of movement with 160° vertical and 180° horizontal rotation. Fully extended, the Wall Mount Boom will handle up to a 9.9 lb. load. A 5/8" adapter has both 1/4-20 and 3/8" threads to accept a wide variety of lighting units. Comes in a non-reflective black finish. **MF4550 $119.95**

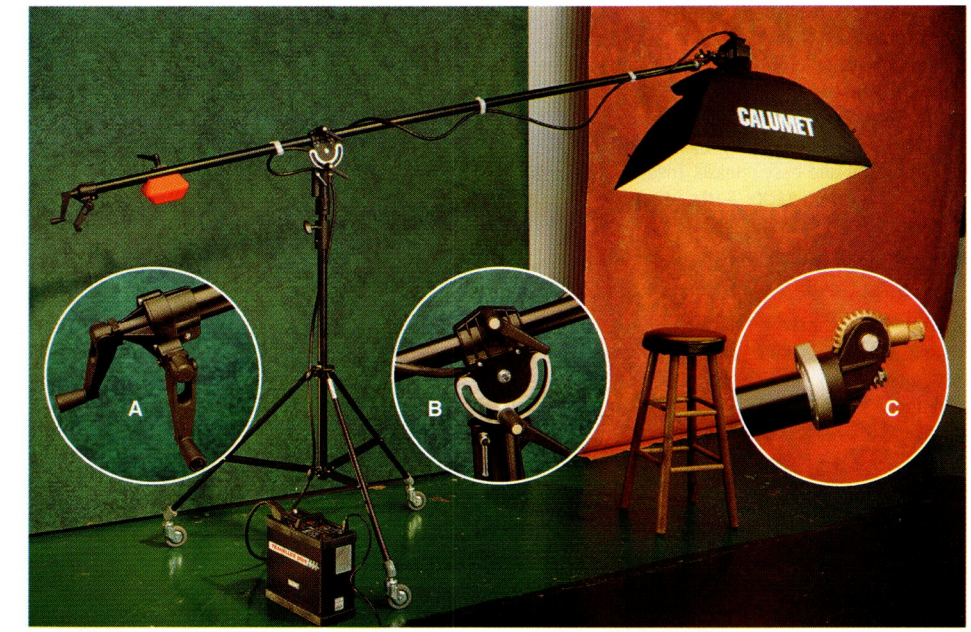


### Heavy-Duty Wind-Up Stand

Two-section stand with heavy-duty crank to raise and lower the top section. Ideal for precise height adjustment of heavy lights and as a boom stand. Extends from 54 7/10 to 97 1/5", folds to 60 1/5" and holds up to 99 lbs. Features universal 1 1/8" socket and 5/8" male stud, and weighs 35.2 lbs. Includes caster set. **MF3663 $379.95**

### Wind-Up Stand with Remote Control Boom

Positioning lights is a breeze with this package. Includes Heavy-Duty Wind-Up Stand with casters (MF3663) and Heavy-Duty Remote Control Arm (MF4400). **MF0005 $499.95**

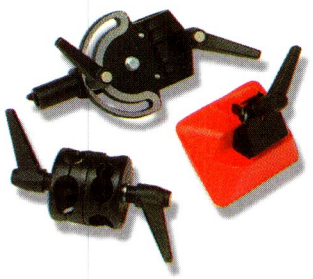



*Inset photos show (A) dual drive remote controls, (B) pivot clamp and (C) geared directional controls.*

### Heavy-Duty Remote Control Boom/Stand

This convenient studio boom allows you precision, geared directional light control. Dual drives provide light movements of 180° (in a plane parallel to the boom) and 360° (in a plane perpendicular to the axis). The boom arm measures 8' 10" long with a 5/8" mounting stud, is counterbalanced with a 14¾ lb. adjustable counterweight, and is attached to a swivel mount with 180° adjustment. The boom stand is black anodized steel and features smooth gliding casters. Height is adjustable up to 86½" and it handles light units up to 15 lbs.
**MF4440 $429.95**

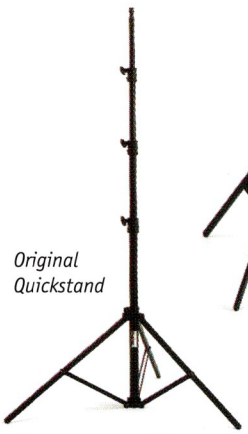
Remote Control Boom Arm Only
**MF4400 $309.95**



### Accessories

| | | |
|---|---|---|
| Large Pivot Clamp for 8' Boom | MF3450 | $29.95 |
| Small Pivot Clamp for 6' Boom | MF3451 | $29.95 |
| 9.5 lbs. Counterweight | MF4704 | $34.95 |
| 10 lbs. Sand Bag (see page 85) | PI3000 | $39.95 |

# Calumet Light Stands



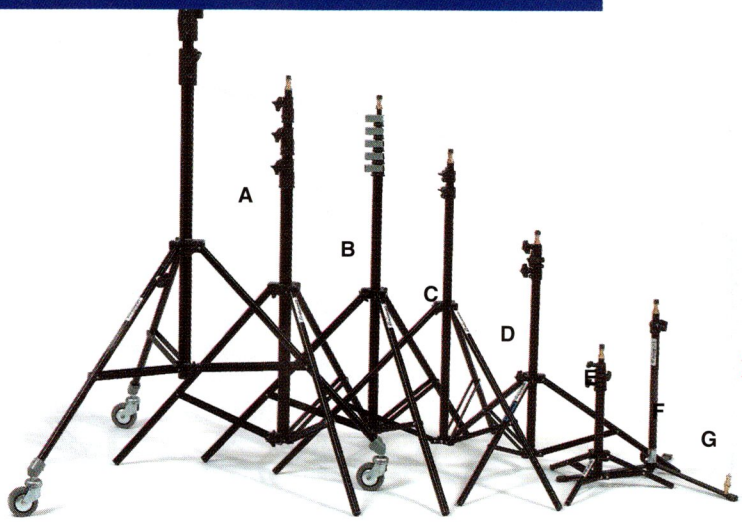
*Original Quickstand*

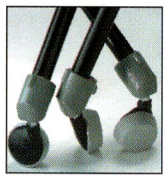


*Heavy-Duty Quickstand*



**Sets up Instantly!**
**No Knobs to Twist!**
**No Levers to Lock!**



*Caster Set*

See Page 119 for Calumet's New Studio Organizer!

## High-quality Craftsmanship and Excellent Value

### Calumet Light Stands

Calumet's professional light stands are an attractive, yet practical asset to any commercial studio or location set. Each stand offers maximum support with minimum bulk and solid locking capabilities with quickness and ease. Some models also feature built-in air-cushioning for extra protection during release. No matter what your application, you'll find a Calumet stand to support your every need!

### Original Quickstand

The revolutionary Quickstand is the world's only light stand that sets up automatically. Set it down, and it stands by itself. Pick it up and it closes by itself. No knobs to twist! No levers to lock!

Recommended for lightweight, portable, shoe-mounted flash units, this 3-section Quickstand offers instantaneous setups and easy, one-hand repositioning. Whenever you need to move a light, just lift up the stand and the legs fold up automatically, making it easy to move safely and easily through a crowded room — without putting down your camera. This compact, lightweight stand is perfect for anyone shooting unassisted on location. Extends to 94½", collapses to 28½", handles lights up to 7¾ lbs, and weighs just 42 oz. **RD1000 $69.95**

### Heavy-Duty Quickstand

Operates on the same concept as Original Quickstand, but made for use with monolights and flash heads up to 15 lbs. This 3-section stand extends to 150", collapses to 42½", and weighs just 7½ lbs. **RD1020 $119.95**

### Ⓐ 2-Section Cine Stand

This great general purpose stand features a unique adjustable levelling leg, which locks and unlocks easily. Smooth gliding casters offer quick and convenient repositioning. A wide range of mounting options are available with both ⅝" and 1⅛" sockets, plus a ⅝" post and ⅜" thread. Featured in Red Wing Boom Package and also ideal for the Calumet Fresnel Spot. **MF3975 $144.95**

### Ⓑ Heavy-Duty Stand

Unquestionably a "best buy" for a professional quality light stand. The stand is constructed with black anodized aluminum shafts and enamel finished diecast parts for an attractive, non-reflective appearance. Knobs are oversize for secure locking and easy release. Includes ⅝" stud with ⅜" thread. **MF3400 $104.95**
Buy 3 or more: **$94.49 ea.**

**Air-Cushioned Heavy-Duty Stand**
**MF3405 $114.95** Buy 3 or more: **$104.95 ea.**

### Ⓒ High-Boy Stand

A great all-purpose light support, especially when extra height is essential. Comes complete with ⅝" stud and a ⅜" thread. Non-reflective, black anodized surface. **MF3610 $119.95**

Caster Set for Heavy-Duty and High-Boy Light Stand **MF3401 $34.95**

### Ⓓ Compact Stand

Portable, lightweight stand will handle any tungsten or strobe head mounted alone or with a medium size umbrella or light box. Black anodized aluminum tubing with oversized knobs and leg support struts. Includes ⅝" stud and ⅜" thread. **MF3505 $64.95** Buy 3 or more: **$61.95 ea.**

Air-Cushioned Compact Light Stand
**MF3507 $69.95** Buy 3 or more: **$66.95 ea.**

### Ⓔ Mini-Compact Stand

Perfect for any location photographer, this lightweight, compact, 4-section stand extends to an impressive height for most lighting uses. Made of black anodized aluminum. **MF3515 $59.95**
Buy 3 or more: **$56.95 ea.**

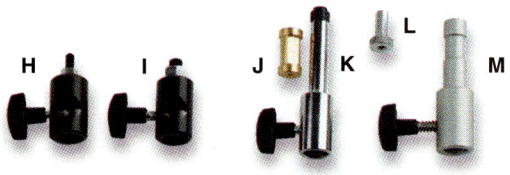
Air-Cushioned Mini-Compact Light Stand
**MF3520 $69.95**

### Ⓕ Low Mini Pro Stand

This super-compact 3-section stand folds to fit into a camera bag and yet extends to over 4'. Great for location work, low angle shots or even as a backlite stand.
**MF3570 $44.95** Buy 3 or more: **$39.95 ea.**

### Ⓖ Backlite Stand with Extension Pole

This versatile stand features a removable short column and a base-mounting light attachment for low angle lighting. Base attachment is a ⅝" spigot with both ¼-20 and ⅜" threads.
**MF3600 $39.95** Buy 3 or more: **$36.95 ea.**

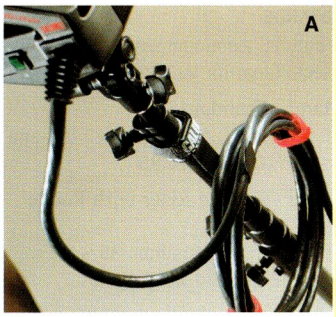


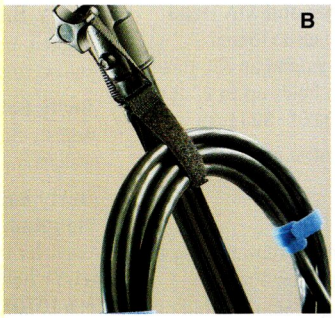

### Stand Adapters

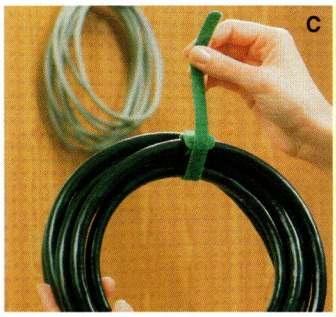
| | | |
|---|---|---|
| Ⓗ Rapid Adapter for ¼-20 | BG5001 | $8.95 |
| Ⓘ Calumet ⅜" Threaded Rapid Adapter | MF4701 | $8.95 |
| Ⓙ Novatron ⅜" Adapter | NV4046 | $9.95 |
| Ⓚ Broncolor Adapter | BG5000 | $13.95 |
| Ⓛ ¼-20 to ⅜" Post Adapter | BG5003 | $4.95 |
| Ⓜ Mole-Richardson Adapter | BG5002 | $9.95 |

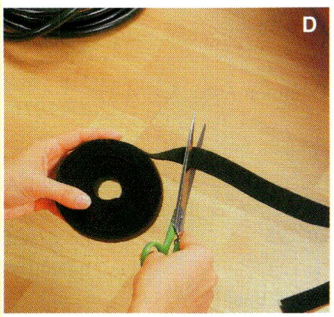
| Stand | Weight | Maximum Height | Minimum Height | Maximum Load at Full Extension | Number of Sections | Closed Length |
|---|---|---|---|---|---|---|
| 2-section Cine | 16.6 lbs. | 85⅘" | 46" | 66.3 lbs. | 2 | 45¼" |
| Heavy-Duty | 4.7 lbs. | 151⅗" | 42⁹⁄₁₀" | 19.8 lbs. | 4 | 42¹⁄₁₀" |
| High-Boy | 4.2 lbs. | 204⁷⁄₁₀" | 39⅖" | 2.2 lbs. | 6 | 38⅗" |
| Compact | 2.8 lbs. | 98⅖" | 34⅗" | 11 lbs. | 3 | 33⁹⁄₁₀" |
| Mini-Compact | 2.5 lbs. | 94½" | 27⅕" | 8.8 lbs. | 4 | 26⅖" |
| Low Mini Pro | 1.5 lbs. | 48¼" | 16½" | 3 lbs. | 3 | 15½" |
| Backlite | 2.9 lbs. | 33½" | 3½" | — | 2 | 18⅘" |

*Chart specifications for the air-cushioned models are the same as the standard model.*




### Ⓐ Quick Hooks

Designed to be strapped on to stands, tripods, poles or table legs to hang cords, cables, ropes and other lightweight equipment up to 6 lbs. A pair of QuickHooks can even be used on a couple of stands to support a background. Constructed of strong spring steel and finished with a durable black epoxy paint. Cinches securely around poles from 1 to 2" diameter. Package of 2.
**WP4170 $19.95**

### Ⓑ CableWrap Straps

This 1" wide strap is ideal for keeping cables and cords organized. Features a cinching buckle for holding a cable tight and an attached loop for hanging cable on light stand knobs, hooks or nails.

**12" CableWrap**
Handles bundles from 2" to 4" diameter Package of 4
**WP4212 $14.95**
20" CableWrap
Handles bundles from 3" to 6" diameter Package of 4
WP4220 $17.95

### Ⓒ Quick Straps

The ultimate all-purpose strap in the studio and on location. Made of a unique, high-quality, one-piece fastener material with hook on one side and a loop on the other so it adheres to itself. Perfect for wrapping cords, cables, etc. Can be attached to the end of a cable and left in place for convenient reuse.

1 x 8" Black Package of 6
**WP4000 $4.95**

1 x 8" Multicolor Pkg. of 12
**WP4050 $9.95**

1 x 12" Black Package of 6
**WP4010 $5.95**

1 x 12" Multicolor Pkg. of 12
**WP4060 $11.95**

### Ⓓ Quick Wrap Rolls

For cutting to custom lengths.
1" x 15' Black **WP4130 $12.95**

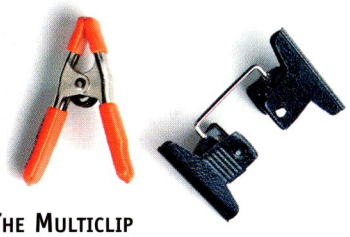
Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686

### Lightware Cinch Locks

These super practical elastic slip cords are great for securing and holding any variety of items. Use to bind and hang power cables, or to tension lighting silks, scrims or gobos to a frame.

6" Cinch Lock 6/pk **LI1006 $15.95**
8" Cinch Lock 6/pk **LI1008 $15.95**
10" Cinch Lock 6/pk **LI1010 $16.95**
12" Cinch Lock 6/pk **LI1012 $16.95**



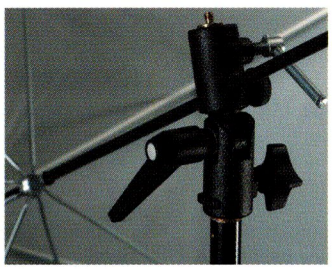
### The Multiclip

A unique double-ended, swivel mounted clip that you can use for holding diffusers, filters or gobos to light units, or for holding reflector cards between light source and lens. An indispensable studio tool at a great price. **BW1100 (ea) $13.95**

### Rubber-Coated "A" Clamps

You'll find hundreds of uses for these "A" Clamps. These all-metal, spring clamps feature a protective (and easy to spot!) orange plastic covering on handles and clamp tips so they won't scratch metals or cut foam boards, etc.

| Size | Item No. | Each | 3+ |
|---|---|---|---|
| Sm 1" | ME1004 | $3.95 | $2.95 |
| Med 2" | ME1006 | $4.95 | $3.95 |
| Lrg 3" | ME1009 | $7.95 | $6.95 |

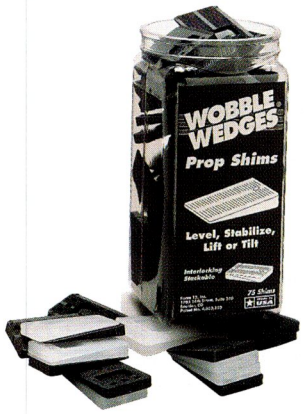


### Umbrella Adapters

**Calumet Swivel Umbrella Adapter**
This universal umbrella mount makes it possible to use an umbrella with most any flash head and light stand combination. The swivel umbrella adapter provides a 5/8" female mount both top and bottom, plus one adapter with 1/4-20 and 3/8" male threads and one with 1/4-20 and 3/8" female threads, and a locking receptacle that will hold umbrella shafts up to nearly 1/2" (12mm) diameter. Locking swivel joint above the stand mount allows head and umbrella up to 90° tilt. Also great for attaching shoe-mounted flash units. **MF3420 $19.95**

**Light and Umbrella Mount Clamp**
Mounts umbrella to any light stand or tripod up to 2" in diameter. Spring-loaded umbrella clamp makes repositioning easy. **BY1000 $26.95**

**Umbrella Shoe-mount Clamp**
With two shoe mounts, 3/8" umbrella receptacle and 1/4-20 mounts at both ends. **BY1010 $24.95**




### Wobble Wedges

Exceptionally versatile plastic shims for making precise prop adjustments quickly and easily. Patented interlocking ridges allow Wobble Wedges to be stacked to any height. They can be trimmed to fit any shape with a knife. 75 1 7/8 x 1 1/8" shims per jar.

Clear **WW0100 $16.95**
Black **WW0105 $16.95**



## New Design

### Calumet Sand Bags

These empty Cordura bags can be filled, emptied and refilled again with sand, shot or gravel. They are compact, pliable and virtually indestructible. Their saddlebag design features two compartments which can be easily filled and zippered shut. These bags can be draped over or hooked onto light stand legs or clamped to a light boom arm. Zipper closures are protected with a secure, velcro-locking flap.

10 lb. capacity **PI3010 $10.95**
15 lb. capacity **PI3015 $13.95**
25 lb. capacity **PI3025 $16.95**

## Matthews Magic

This innovative new line of grip equipment offers an improved feel of precision while holding excessive amounts of weight and offering quick and secure positioning.

### 4½" Grip Head

This spring-loaded head opens automatically when you loosen the handle. Equipped with large handle, V openings and registration pin for the tightest possible fit. **MW0126 $83.95**

### 2½" Happy Head*

With Posi-V-lock system for multiple contact locking of all round objects. Features 5/8" female stand mount. **MW0131 $38.95**

### Happy Arms

Features Happy Head and 5/8" diameter stainless steel arm with aluminum finish.
20" Happy Arm* **MW0128 $49.95**
40" Happy Arm* **MW0129 $51.95**

### Magic Finger with 5/8" Adapter

This popular grip accessory has a 5/8" pin attached to a ball joint which pivots -15 to +90° with 360° rotating collar. One handle locks all axis. Mounts to 5/8" pin or 1⅛" receivers. **MW0167 $62.49**

### Extended Magic Finger with 5/8" Pin

Allows you to adjust light unit and control elements as one unit by adding optional 2½" Grip Head and Extension Arm to hold Flags, Scrims, or Dots. **MW0168 $68.95**

### 40" Gobo Arm with Magic Finger

Used in conjunction with optional Grip Head, this unit makes it easy to position Dots, Fingers, Flags, etc. **MW0169 $65.95**

### Super Mafer Clamp (black)

Strengthened and redesigned to withstand greater clamping pressure. Features reformulated jaw pads for better gripping action. **MW2007 $19.95**

### Double Super Mafer Clamp

Allows the use of two Mafer attachments in one clamp. **MW2004 $34.95**

### 5/8" Baby Snap in Pin for Mafer Clamps

Allows you to mount a light fixture to Mafer clamp. **MW2020 $2.95**

### Magic Stand Complete w/Runway Base

Can be used as a rolling light stand, a really low (6") rolling stand, or a 2-section light boom with rolling stand. Adjusts from 5 to 14', holds up to 40 lbs. Weighs 37 lbs. Base folds to 21" and features a 1⅛" Posi-V-lock receiver. **MW0166 $518.95**

### Superflex Flex Arm Snap In*

Articulated arm with serrated ball joints will hold a small light fixture securely in place. Its 5/8" Baby Pin end receiver accepts the standard Dot, Finger and Flex Frame pin, and is tapped to receive 3/8-16 camera accessories. **MW0170 $91.95**

### Superflex Scrim Flag Adapter

Locks into the Superflex to allow the use of a Scrim or Flag. **MW0171 $14.49**

### XTA 2.5" Grip Head

Position these heads vertically on stands or horizontally on 1" pipe or add a pin and position lights on a Gobo Arm. Spring loaded with registration pin. **MW0136 $38.49**

### XTA C Stand w/Magic Finger and XTA Head

A 40" Double Riser Spring Loaded C Stand terminated with a Magic Finger and an XTC Head. Adjusts from 57.5 to 126.5", holds up to 22 lbs. and weighs just 14 lbs. **MW0141 $211.95**

** Aluminum finish. Also available in Griptonyte.*

## Century Stands

With tapered sizes of legs which allow nesting of stands right next to each other on a set.

### 20" C+ Stand Double Riser – Turtle Base

Adjusts from 20 to 33", holds up to 22 lbs. and weighs 9.5 lbs. **MW0990 $109.95**

### 40" C Stand Package

With 2½" Griphead and 40" Extension Arm. **MW0050 $169.95**

### 40" C Stand Double Riser – Spring Loaded Base

Adjusts from 53 to 126.5", holds up to 22 lbs. and weighs 11 lbs. **MW1002 $102.95**

### 40" C Stand Double Riser – "Just Grip" Non Spring Loaded Base

Adjusts from 52.5 to 125.5", holds up to 22 lbs. and weighs 11.5 lbs. **MW0100 $115.95**

### 40" C+ Stand Double Riser – Turtle Base

Adjusts from 45.5 to 110.5", holds up to 22 lbs. and weighs 13 lbs. **MW1000 $114.95**

### 60" C Stand Double Riser – Spring Loaded Base

Adjusts from 73 to 186.5", holds up to 22 lbs. and weighs 14.5 lbs. **MW1001 $148.95**

## C Stand Attachments

| | | |
|---|---|---|
| Just Grip 2½" Grip Head | MW2003 | $22.49 |
| Just Grip 20" Gobo Arm | MW1037 | $28.95 |
| Just Grip 40" Gobo Arm | MW1035 | $31.95 |
| 2.5" Grip Head with Double 40" Gobo Arm Just Grip | MW2005 | $81.95 |
| 2.5" Grip Head with Single 40" Gobo Arm Just Grip | MW1036 | $54.95 |

## Kit Stands

Compact, lightweight stands with brass brake shoes permit the use of heavier fixtures. Wheels available.

### Light/Heavy Double Riser (black)

Adjusts from 39 to 100.5", holds up to 25 lbs. and weighs 6 lbs. **MW1092 $109.95**

### Light/Heavy Triple Riser (black)

Adjusts from 43 to 139", holds up to 22 lbs. and weighs 7 lbs. **MW1091 $119.95**





## Beefy Baby Stands

Rugged, heavy duty all aluminum stands with square tubular legs. Great for location.

### Beefy Baby Stand - Standard

Adjusts from 36.5 to 91.5", holds up to 22 lbs. and weighs 6.25 lbs. **MW1071 $144.95**

### Beefy Baby Stand - Double Riser with Rocky Mountain Leg

Great for uneven terrain. Adjusts from 36.5 to 91.5", holds up to 22 lbs. and weighs 9 lbs. **MW1070 $149.95**

### Baby Junior Stand - Double Riser w/casters

All steel stand with 5/8" mounting pin with tripod braced base and locking casters. Adjusts from 48 to 116", holds up to 30 lbs. and weighs 14 lbs. **MW1076 $204.95**

## Overhead Stands

These "roller stands" are all steel with 4.5" Grip Head, wide bases and locking casters. Designed for supporting large backdrops. Can be stored upright.

### Medium Overhead Roller Stand

With 60" footprint. Adjusts from 64 to 167.5", holds up to 88 lbs. and weighs 35.5 lbs. **MW1007 $250.95**

### Medium Overhead Roller Stand – "Just Grip"

With 63" footprint. Adjustable 62 – 162.5", holds up to 66 lbs., weighs 32 lbs. **MW0110 $259.95**

### Hi-Hi Overhead Roller Stand

With 60" footprint. Adjustable 84 – 249", holds up to 88 lbs., weighs 42.5 lbs. **MW1004 $275.95**

### Hi-Hi Overhead Roller Stand – "Just Grip"

With 60" footprint. Adjustable 76 – 241", holds up to 66 lbs., weighs 39 lbs. **MW0115 $259.95**

## Mounting Equipment

### Baby Plates

For mounting light fixture to walls, floors, etc. Dimension refers to length of mounting pin.

| | | |
|---|---|---|
| 3" Baby Plate | MW2111 | $9.95 |
| 6" Baby Plate | MW2055 | $11.95 |
| 12" Baby Plate | MW9845 | $14.95 |
| Right Angle Baby Plate | MW2112 | $14.95 |

### Drop Ceiling Scissor Clamp with 5/8" pin

Mounts small lighting instruments to dropped ceiling tile support rails. **MW9813 $10.95**

### Baby Side Arm

Can be clamped anywhere on a stand riser. Adjustable in length from 7 to 13" and terminates with double 5/8" pins. **MW2013 $49.95**

### Maxi Matth Pole

Features two telescoping tubes with "expanding casting" to provide pressure for holding pole in place. Used primarily for seamless paper and backdrops. Extends from 95 to 178". **MW2061 $78.95**











## Matthews Lighting Control

### Dots & Fingers

Spring steel frames with mounting pin. Used for controlling light in small areas.

| Sizes | Single Black | Price | Double Black | Price | Artificial Silk | Price | Solid | Price |
|---|---|---|---|---|---|---|---|---|
| 3" Dot | MW3103 | $15.95 | MW3203 | $15.95 | MW3603 | $15.95 | MW3003 | $15.95 |
| 6" Dot | MW3106 | $15.95 | MW3206 | $15.95 | MW3606 | $15.95 | MW3006 | $15.95 |
| 10" Dot | MW3110 | $15.95 | MW3210 | $15.95 | MW3608 | $15.95 | MW3010 | $15.95 |
| 2x12" Finger | MW3512 | $11.95 | MW3522 | $12.95 | MW3662 | $11.95 | MW3502 | $11.49 |
| 4x14" Finger | MW3514 | $13.95 | MW3524 | $14.95 | MW3664 | $12.95 | MW3504 | $13.49 |

### Bend-A-Dot & Finger

Pliable metal shaft makes precise positioning simple

| Sizes | Single Black | Price | Double Black | Price | Artificial Silk | Price | Solid | Price |
|---|---|---|---|---|---|---|---|---|
| 3" | MW3540 | $16.95 | MW3541 | $16.95 | MW3542 | $16.95 | MW3543 | $16.95 |
| 6" | MW3544 | $16.95 | MW3545 | $16.95 | MW3546 | $16.95 | MW3547 | $16.95 |
| 10" | MW3548 | $16.95 | MW3549 | $16.95 | MW3550 | $16.95 | MW3551 | $16.95 |
| 2x12" | MW3552 | $12.95 | MW3553 | $13.95 | MW3554 | $12.95 | MW3555 | $12.95 |
| 4x14" | MW3556 | $15.95 | MW3557 | $15.95 | MW3558 | $15.95 | MW3559 | $15.95 |

### Flex Scrim

Feature two pins for horizontal and vertical mounting.

| Sizes | Single Black | Price | Double Black | Price | Artificial Silk | Price | Solid | Price |
|---|---|---|---|---|---|---|---|---|
| 10x12" | MW3678 | $16.49 | MW3680 | $18.95 | MW3681 | $16.49 | MW3682 | $16.49 |
| 12x20" | MW3683 | $18.95 | MW3684 | $20.95 | MW3686 | $18.95 | MW3685 | $18.95 |

### Bend-A-Flex Scrims

Same as Bend-A-Dot and Fingers, only as Flex Scrims.

| Sizes | Single Black | Price | Double Black | Price | Artificial Silk | Price | Solid | Price |
|---|---|---|---|---|---|---|---|---|
| 10x12" | MW3620 | $16.49 | MW3621 | $18.95 | MW3622 | $16.49 | MW3623 | $16.49 |
| 12x20" | MW3624 | $19.49 | MW3625 | $20.95 | MW3626 | $22.95 | MW3627 | $21.95 |

### Open End Scrims

Spring steel frame with 3/8" pin. Controls light falling on set or subject.

| Sizes | Single Black | Price | Double Black | Price | Artificial Silk | Price | 1/4-Stop Silk | Price |
|---|---|---|---|---|---|---|---|---|
| 12x18" | MW3018 | $19.95 | MW3118 | $21.95 | MW3600 | $16.95 | MW3160 | $21.95 |
| 18x24" | MW3024 | $19.95 | MW3124 | $25.95 | MW3154 | $19.95 | MW3161 | $24.95 |
| 24x30" | MW3030 | $28.95 | MW3130 | $36.95 | MW3152 | $29.95 | MW3162 | $34.95 |
| 24x36" | MW3036 | $28.95 | MW3136 | $35.95 | MW3153 | $29.95 | MW3163 | $35.95 |
| 30x36" | MW3037 | $35.95 | MW3137 | $49.95 | MW3151 | $35.95 | MW3165 | $44.95 |

### Flags and Cutters

Frames covered with solid cloth. Used to control spill light.

| | | |
|---|---|---|
| 12x18" | MW3318 | $21.95 |
| 18x24" | MW3324 | $23.95 |
| 24x30" | MW3330 | $27.95 |
| 24x36" | MW3336 | $26.95 |
| 30x36" | MW3337 | $31.95 |
| 10x42" | MW3442 | $41.95 |
| 18x48" | MW3448 | $44.95 |
| *24x72" | MW3472 | $55.95 |

**Drop ship from manufacturer.*

### Flag Bags and Scrim Storage Bags

Heavy-duty fabric exterior with stiff liner, zipper closure and carry handle. Flag bags hold eight to ten flags. Scrim Bags hold five scrims.

| | | |
|---|---|---|
| 12x18" Flag Bag | MW4000 | $81.95 |
| 18x24" Flag Bag | MW4001 | $114.95 |
| 18x24" Scrim Storage Bag | MW4002 | $154.95 |
| 24x36" Flag Bag | MW4003 | $149.95 |
| 30x36" Flag Bag | MW4004 | $154.95 |
| 30x36" Scrim Storage Bag | MW4005 | $154.95 |
| 48x48" Flag Bag | MW4006 | $201.95 |
| Shoulder Strap for 24x36" and 30x36" Flag Bags | MW4007 | $11.95 |



### Sandbags

Used to stabilize stands, booms, and tripods. Matthbag (zippered closure) and Fly-A-Way (Velcro closure) bags can be filled on site with rocks, gravel, etc.

| 15 lb. | Part # | Price |
|---|---|---|
| Cordura | MW2300 | $19.95 |
| Water Repellent | MW2320 | $19.95 |
| **25 lb.** | **Part #** | **Price** |
| Cordura | MW2303 | $26.95 |
| Water Repellent | MW2322 | $26.95 |
| Fly-A-Way Bag | MW9810 | $25.95 |
| Matthbag | MW2310 | $31.95 |
| **35 lb.** | **Part #** | **Price** |
| Cordura | MW2305 | $25.95 |
| Water Repellent | MW2324 | $27.95 |
| **50 lb.** | **Part #** | **Price** |
| Cordura | MW2304 | $37.95 |
| Water Repellent | MW2308 | $29.95 |



### Apple Boxes

For propping, leveling, sitting or standing. Precisely made, center supported.

| | | |
|---|---|---|
| Full (12 x 8 x 20") | MW3820 | $26.95 |
| Half (12 x 4 x 20") | MW3825 | $24.95 |
| Quarter (12 x 2 x 20") | MW3830 | $24.95 |
| Eighth (12 x 1 x 20") | MW3835 | $24.95 |

### Butterflys and Overheads

These large, overhead light control frames are available in a variety of sizes from 6x6' to 30x30' and a choice of 27 fabrics. Or create your own frames from a variety of corners, connectors and hangers. Call for details.

**6x6' Butterfly Set**

Includes one each 6x6' Single Scrim – Black, Double Scrim – Black, Artificial Silk – White, and Solid Scrim, Just Grip Frame and Storage Bag.

**MW1100 $504.95**

*Calumet is a full line Matthews dealer. If you would like a copy of the complete Matthews Catalog, call 1-888-888-9083.*





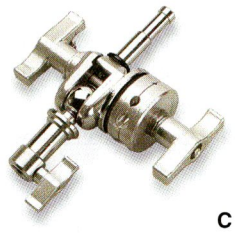




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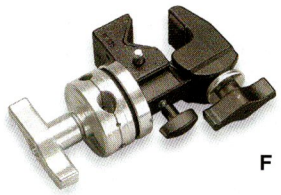
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H




## A Boom and A Light Stand Rolled into One!

### Manfrotto Convertible Boom Stand 420

This two-in-one conversion stand is one of the smartest tools to come along in years. One second it's a high quality, three-section, light stand and the next second it's a sturdy, telescopic boom. Simply loosen a wing-handle, release a catch, and the top two sections tilt into boom mode.

As a light stand, the three risers go up to 154" and go as low as 51.5". As a boom, it offers between 7.4 and 75.2". The Convertible Boom Stand is available with a standard base and with a steel base with heavy-duty aluminum risers for extra loads. The maximum load the standard stand will hold is 19.8 pounds. The maximum load the steel base version will hold is 33 pounds. The maximum load that the standard boom will handle when fully extended is 4.5 pounds. The steel base version will hold up to 11 pounds. Stands fold down to 44.5". Both models come with a counterweight sandbag and feature a 5/8" socket, plus a 5/8" spigot.

Convertible Boom Stand
**BG8120 $159.95**

Steel Base Convertible Boom Stand
**BG8124 $199.95**

## Universal Light Support

### Manfrotto Avenger Grip

Totally comprehensive, the Avenger lighting grip line provides an answer to every lighting support and mounting requirement in the studio or on location. These professional quality, heavy-duty light supports fold flat for maximum portability, and offer many innovative features which ensure high performance. This system can be used to support everything from small flash heads and monolights, scrims and reflectors, to larger tungsten units and muslin backdrops.

**Avenger 40" C Stand Package**
Features fold away, spring loaded legs and double riser column, all made of quality chrome finish to resist all weather conditions. Extends from 53 to 129", holds up to 22 lbs., includes a 5/8" mounting pin and weighs 14 lbs. Package includes one stand, a 2½" grip head and 40" Extension Grip Arm.
**AV0100 $139.95**

**Avenger 40" C Stand with Turtle Base Package**
Features detachable Turtle base and 40" double riser column. Extends from 53 to 108", holds up to 22 lbs., includes a 5/8" mounting pin and weighs 15.4 lbs. Package includes one stand, a 2½" grip head and 40" Extension Grip Arm.
**AV0200 $149.95**

**Ⓐ Avenger Mini Boom**
Boom arm extends from 46 to 83". Weighs 7.7 lbs. **AV3184 $99.95**

### C Stand Accessories

**Gripheads**
With non-slip grip pads that lock off securely for precision control.

| | | |
|---|---|---|
| Ⓑ 2½" Griphead | AV3122 | $24.95 |
| 2½" Black Griphead | AV3124 | $24.95 |
| Snap-in Griphead | AV3126 | $24.95 |
| Ⓒ TMM Griphead w/Swivel Pin | AV3134 | $49.95 |

**Extension Arms**
Used for extra lift or reach. Can be connected together for double extension.

| | | |
|---|---|---|
| Ⓓ 20" Extension Grip Arm | AV3168 | $25.95 |
| Ⓔ 40 Extension Grip Arm | AV3172 | $29.95 |

**Super Clamps**

| | | |
|---|---|---|
| Super Clamp | AV3116 | $26.95 |
| Ⓕ Super Clamp Griphead | AV3130 | $45.95 |
| Ⓖ Large Gaffer Grip | AV3046 | $57.95 |
| Ⓗ Adjustable Gaffer Grip | AV3114 | $32.95 |

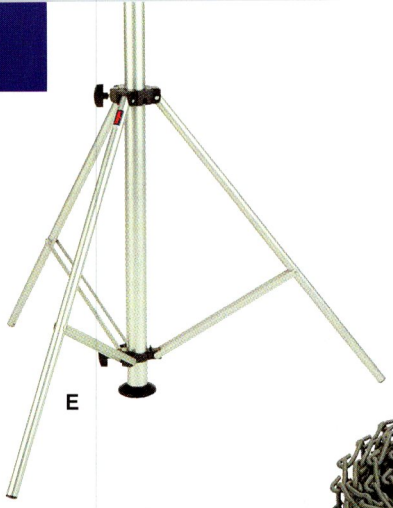
# Portable Background Systems



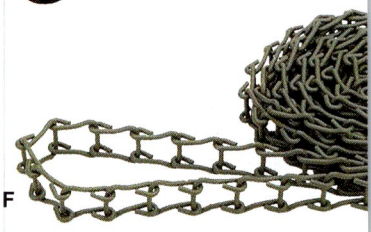
*Deluxe AutoPole Kit with optional tripod bases.*



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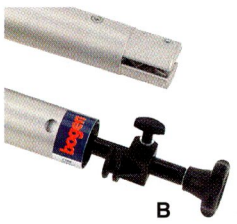


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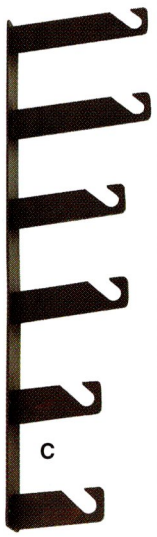


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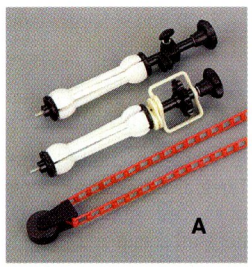




B



C



A

## Bogen AutoPole Background System

This modular background support system is dependable, easy to use and flexible enough to meet most of your backdrop needs in the studio or on location. The heart of the system are the adjustable two-section AutoPoles which extend from 6' 6" to 11' 4". Simply place these lightweight aluminum poles into position, raise the top section to the ceiling, and, with the lever-action lock, secured safely into place. Each set includes two extension poles.

### Deluxe AutoPole 2 Set

Features a new, improved locking mechanism with a safety lock in the handle and a two-position screw locking settings. For even greater security, spring-loaded tips have been incorporated.
Chrome **BG4107 $143.95**
Black **BG3907 $147.95**

### AutoPole Sets

The original AutoPole is similar to the AutoPole 2, but has a one cam-action locking system and rubber suction cups on the top and bottom.
Chrome **BG4110 $132.95**
Black **BG3910 $142.95**

### Ⓐ Expan Drive Set

This convenient accessory provides a practical, unitized, chain-operated background drive that makes it easy to raise and lower rolled seamless paper. You can start with one and add additional units as you need them, when you need them. Designed for use with cored paper rolls of any length. Uncored paper up to 144" can be used with the optional Alu-Core (listed here under Accessories). **BG4150 $56.49**

### Complete AutoPole Expan Kits

Kits consist of a set of AutoPoles, a Background Holder Hook Set and three Expan Drive Sets.

| | | |
|---|---|---|
| AutoPole Kit (chrome) | BG4112 | $346.95 |
| AutoPole Kit (black) | BG3912 | $377.95 |
| Deluxe AutoPole Kit (chrome) | BG4108 | $356.95 |
| Deluxe AutoPole Kit (black) | BG3908 | $363.95 |

### AutoPole Accessories

| | | |
|---|---|---|
| 1.5m Extension Set (chrome) | BG4156 | $57.49 |
| 1.5m Extension Set (black) | BG3956 | $57.95 |
| 2m Extension Set (chrome) | BG4159 | $58.49 |
| 2m Extension Set (black) | BG3959 | $65.95 |
| Ⓑ Alu-Core 107" (9') | BG4155 | $43.95 |
| Alu-Core 144" (12') | BG4246 | $52.95 |
| Background Holder Hook Set (Holds three Expan units) | BG4160 | $33.95 |
| Ⓒ Background Holder Hook Set (Holds six Expan units) | BG4229 | $66.49 |
| Background Paper Counterweight (Prevents paper from curling) | BG4233 | $29.49 |
| Ⓓ AutoPole Spirit Level | BG4105 | $5.95 |
| Ⓔ AutoPole Tripod Base (chrome) | BG4113 | $87.95 |
| AutoPole Tripod Base (black) | BG4114 | $89.95 |
| 9' Telescoping 3-Section Crossbar | BG4245 | $49.95 |
| Plastic Chain for Expan Drive | BG4224 | $13.95 |
| Ⓕ Metal Chain for Expan Drive (For heavy, canvas backdrops) | BG4227 | $33.95 |
| AutoPole Foot Covers | BG4104 | $4.95 |



## Photek Portable Background System

This compact system supports seamless paper up to 11' wide. Consists of two heavy-duty stands, a sturdy 3-piece telescoping crossbar and carry bag. Stands feature three positive locking levers and tubular legs. Crossbar snaps together with positive button locking devices. The system can be extended to 10½ (h) x 12½' (l). When closed, the entire package in the bag measures 39" long and weighs just 12 lbs. **PK4010 $159.95**

# The World's Most Versatile Range of Modular Clamp Components!

**Ⓐ Calumet TD Clamp**
These indispensable studio and location accessories can hold just about anything: cameras, lights, umbrellas, hooks, shelves, glass, cross-bars, even other TD Clamps. The clamp opens to 2¼" and comes with ¼-20 stud.
**TC7300 $19.95**
**3 or more (ea.) $16.95**

**Super Clamp System Accessories**

| | | |
|---|---|---|
| Ⓑ 2902 U-Hook Cross-Bar Holder | BG4250 | $6.95 |
| Ⓒ 2911 Single Background Holder Hooks | BG4216 | $19.95 |
| Ⓓ 2903 Narrow U-Hook holds plate glass | BG4251 | $8.95 |
| Ⓔ 2904 "L" Bracket Shelf Holder | BG4252 | $12.95 |
| Ⓕ 2906 Extension Arm extends stud 6" | BG4263 | $19.95 |
| Ⓖ 2917 Joining Arm | BG4222 | $9.95 |
| Ⓗ 2908 Standard Stud with ¼-20 thread | BG4214 | $5.95 |
| Ⓘ 2918 Standard Stud w/⅜" thread | BG4223 | $5.95 |
| Ⓙ 2913 Joining Stud Joins 2 clamps at 60° | BG4270 | $4.95 |
| Ⓚ 2916 Dbl. Ball Joint Head w/Platform | BG4217 | $34.95 |
| Ⓛ 3113 Double Female Stud | BG4172 | $4.95 |
| Ⓜ 2930 Magic Arm w/Camera Platform Holds cameras and flash units up to 6 lbs. | BG4230 | $124.95 |
| Ⓝ 2896 Flex Arm for Super Clamp | BG4211 | $18.29 |
| Ⓞ Heavy Duty Flex Arm | BG42111 | $25.95 |
| Ⓟ 2921 Background Holder Hooks | BG4160 | $33.95 |
| 2938 Universal Clamp w/Platform | BG4280 | $10.95 |
| 2900 Bogen Super Clamp | BG4210 | $27.95 |




## Articulated Arms

**Ⓢ 2935 Articulated Arm**
Three pivot points allow repositioning of small lights, gobos or reflectors when used with optional Clip Clamp. Sections lock independently. Mount stud fits Mini Clamp and is tapped for ¼-20 and ⅜" threads. **BG4225 $36.95**

**Ⓣ 2929 Variable Friction Magic Arm**
Like the Articulated Arm, but with a lock-down lever than freezes all three joints at once. Includes camera bracket and holds up to 12 lbs.
**BG4231 $119.95**



Ⓤ

## Bogen Mini Clamp

Small yet sturdy clamp attaches to most light stands, tripods and backdrop supports and opens to 1⅛". Will accept a variety of mounting studs to attach flash heads, lights or cameras. **BG4220 $12.95**

Ⓤ Mini Clamp w/⅝" Stud Features ¼-20 and ⅜" tips. **BG4221 $19.95**

2947 U-Hooks for Mini Clamp (Set of 2) **BG4241 $9.95**



## Rubber-Coated "A" Clamps

You'll find hundred of uses for these "A" clamps. These all-metal, spring clamps feature a protective (and easy to spot!) orange plastic covering on handles and clamp tips so they won't scratch metals or cut foam boards.

| Size | Item No. | Each | 3+ |
|---|---|---|---|
| Small 1" | ME1004 | $3.95 | $2.95 |
| Small 2" | ME1006 | $4.95 | $3.95 |
| Small 3" | ME1009 | $7.95 | $6.95 |



## The Multiclip

An indispensable studio tool at a great price! This unique double-ended, swivel mounted clip can be used for holding diffusers, filters or gobos to light units, or for holding reflector cards between your light source and lens. **BW1100 $13.95**
**Three or more (each) $12.49**



## FlexiGrip Pro Kit

This FlexiGrip gooseneck support system for tabletop photographers makes it easy to set up flags, fill cards, dots and fingers and make minor adjustments – fast! Includes two bases (each 6" in diameter), one table clamp (for tables up to 1¾" thick), three grips and five goosenecks (one 6", one 13" and three 19"). Goosenecks can be connected to extend length.
**FG1000 $199.95**

## Telescopic Support System with Quick-Lock System!

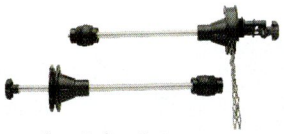


### Calumet TelePole Background System

This modular background support system offers you dependable support and plenty of set-up flexibility in the studio or on location. Utilizing two adjustable, spring-loaded, telescoping poles as the basis for support, this versatile system offers dependable support, and convenient adjustment for either cored and uncored seamless background paper up to 12', muslin and canvas backgrounds, and even reliable positioning for flash heads and tungsten lights.

**TelePole Set**
This set includes two TelePoles, each one telescoping from 82.6" to 145.6" with a convenient spring-loaded top and a fast locking system. Made of black anodized aluminum alloy.
**TC7352 $179.95**

**TelePole Background Kit**
Includes two Telepoles, Triple Hook Set and three Expansion Drive Sets. **TC7352K $499.95**



**Expansion Drive Set**
This versatile seamless roll transport set will hold cored or uncored seamless background paper on the Telepole Set. It is easy to set up using either the single or triple hook supports, and comes with a dependable metal chain for remote access and adjustments to paper.
**TC7309 $129.95**

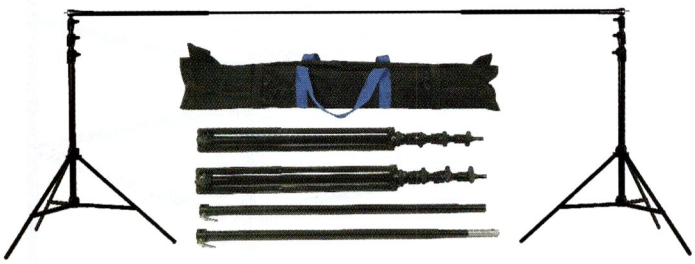
**Triple Hook Set**
This convenient background holding set can be mounted directly to a wall or attached to Telepoles. Set will hold up to three rolls of seamless paper with Expansion Drive Sets. Set includes one pair of Triple Hooks. **TC7308 $99.95**

**Single Hook Set**
Holds one roll of seamless paper with Expansion Drive Set.
**TC7309 $12.95**

**5' Telepole Extension (black)**
For additional height to Telepoles.
**TC7355 $29.95**

**6.8' Telepole Extension (black)**
For additional height to Telepoles.
**TC7356 $34.95**

**Leg Base for Telepoles (black)**
This tripod base unit allows you to use Telepoles as free-standing supports. **TC7353 $109.95**



## Background Support You Can Count On!

### Calumet Heavy Duty Background System

If you're looking for an extremely sturdy – and portable! – backdrop support system from which to suspend your seamless background paper, this is just what you're looking for. This heavy duty background support system features two 12½' folding, light stands and a two-section, telescoping crossbar, and will handle either 53 or 107" seamless paper rolls. Comes with nylon carry bag for transporting to location or storage. **TC7310 $269.95**

### Calumet Background System

Here is an economical background support system which will easily handle muslins and seamless, and is great for location shooters and wedding photographers. Kit includes two 11' light stands, two-section,telescoping crossbar that will handle either 53 or 107" seamless paper rolls. Comes with nylon carry bag for transporting to location or storage.
**TC7320 $219.95**

## Best Clamp for Your Buck!



### Calumet TD Clamp

This heavy duty, multi-purpose clamp is perfect for the studio and for location. The TD Clamp can be used on either flat surfaces or on round tubes, such as the Telepoles. In fact, it is perfect for mounting Single or Triple Hook Sets, or light units to Telepoles. Also accepts a wide range of accessories, such as articulated arms, u-hooks and mounting adapters. **TC7300 $19.95**



**Calumet Single Articulated Arm**
This convenient, adjustable arm is great for holding gobos, props or reflectors over and around a set. Mounts directly to TD Clamp (via ⅝" stud), and features a two-section single arm with a 30" reach with a ⅜" mounting stud. **TC7331 $46.95**



**Calumet Twin Articulated Arm**
This extra-strength adjustable arm holds scrims, flags, gobos or reflectors. Mounts directly to TD Clamp (via ⅝" stud), and features a two-section twin arm with a 30" reach with a ⅜" mounting stud.
**TC7336 $69.95**

**Calumet "U" Hooks**
Connects directly to TD Clamp and allow you to support cross-bar tubes up to 1¾" diameter. Set of two.
**TC7357 $9.95**



**Calumet Hex Extension Bar**
Connects directly to TD Clamp and comes with a ⅝" mounting stud.
**TC7323 $13.95**



**Calumet Large Gaffer Grip**
This heavy duty, adjustable grip mounts to round or flat objects and will support a light unit from an accessory stud mounted in its ⅝" socket. **TC7361 $74.95**

Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686

## Heavy Duty Light Support!

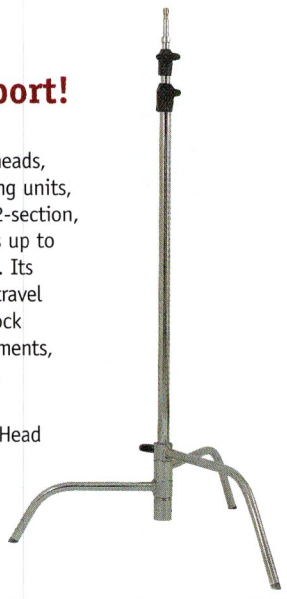
### Calumet C Stand

For rigid and dependable support of flash heads, monolights , tungsten or fluorescent lighting units, this stand can't be beat. This heavy-duty, 2-section, C Stand will hold up to 22 pounds, extends up to 118" (nearly 10'!) and folds down to 52.7". Its detachable base makes it easy to store or travel with the C Stand. Features patented ring-lock assembly for safe and secure height adjustments, and terminates with a ⅝" mounting spigot. Weighs 14½ lbs. **TC7782 $109.95**

C Stand with Single Extension Arm w/Grip Head
**TC7341K $159.95**

Single Extension Arm w/Grip Head
**TC7341 $51.95**

Grip Head **TC7344 $21.95**



# Shooting Tables





### Westcott Light Tents



Here's the trick to gorgeous images of stemware, crystal and jewelry! These self-contained shooting tents are perfect for small products, and particularly products with reflective surfaces that require soft, diffused lighting. Light Tents are made of white diffusion fabric and feature adjustable lens positioning. Because they fold to one-third their set-up size, Light Tents are ideal for location work and easy to store.
48 x 60" **HL3555 $141.95**
54 x 40" **HL3550 $82.95**

### Cambo Shooting Table

This light weight shooting table accepts any 4 x 8" Plexiglas, Masonite, Formica or veneer surface (⅛" is recommended). It features an adjustable back frame and an extended front angle for extremely low camera angles, and crossbar/hooks to hold and dispense 4½' seamless background paper. It takes up minimal space (48 x 60" at the base), is easy to roll anywhere and breaks down quickly for convenient storage. Working height is 32" with casters. UPS shippable. **CB0915 $549.95**





### Lumiquest Tabletop Reflector System

This 15-piece reflective system provides creative flexibility and light control for table-top photography. Includes crinkle silver surfaces reversible to white which can be easily attached to rigid mirror reflectors. Also features a unique boom design to suspend a reflector close to your subject, just outside the image area. Reflectors range in size from 8½ x 11¼" to 2 x 3¼". Black storage pouch and Velcro® adjustments included.
**LQ2005 $69.95**



### Smith-Victor 18" Shooting Table

This modular, 18" wide table comes with a rigid molded translucent Plexiglas shooting surface and a clear Plexiglas shooting surface which mounts on base for "floating in space" effects. Assembles and disassembles easily. **SV0100 $259.95**

### Cambo Mini Table

The Mini Shooting Table can be wheeled though doorways from room to room on its two rear-frame casters. Yet when location calls, just remove eight knobs and it quickly disassembles! The table weighs only 35.5 lbs. which makes it extremely portable. This handy table provides a seamless shooting area with a backdrop sweep on a translucent sheet of 27 x 49" Plexiglas included. The Mini takes up a mere 27 x 35" of floor space. The front height is 32" and the rear height is 52".
**CB0920 $479.95**




## Check Out This Metamorphis!

### RedWing Cocoon

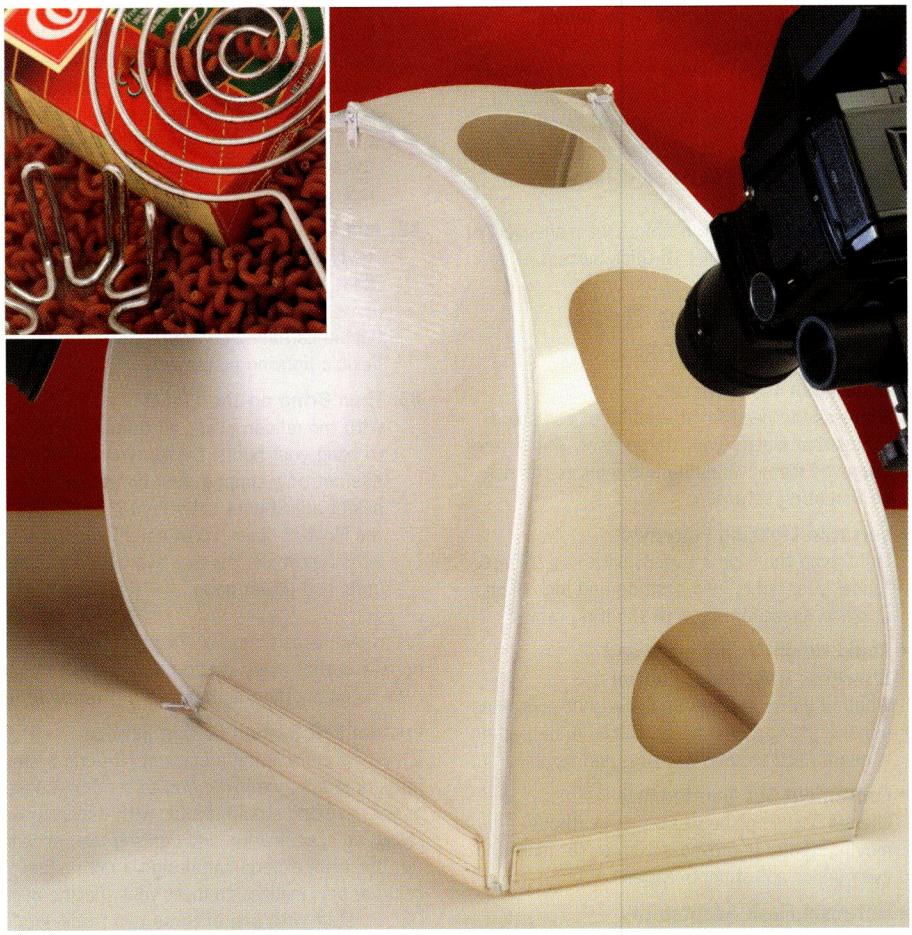
Here's a simple time-saving innovation that makes lighting small products a cinch! The Cocoon is a an egg-shaped plastic cove made up of four translucent diffusion panels which are fastened with zippers for easy assembly and storage. It features three photo port holes so you can shoot your product from overhead, at a 45° angle or horizontally. Unlike perfectly even light boxes, the Cocoon eliminates the"blooming" of digital highlights and can be lit with sunlight, skylight, full-spectrum fluorescent, HMI or flash. It is specifically designed for the angle of view and focus needed by a 55-60mm macro lens on a 35mm camera or equivalent.
Available in three sizes.

**Ⓐ Cocoon 40**
For photographing products up to 5 x 7" (12 x 18cm). **RD1590 $89.95**

**Ⓑ Cocoon 70**
For objects up to 9 x 12" (23 x 30cm). **RD1600 $149.95**

**Ⓒ Cocoon 130**
For photographing objects up to 16 x 22" (40 x 55cm). **RD1605 $229.95**

*The Cocoon cove easily creates beautiful highlights – even on extremely reflective products.*



*Above photo shows the Cocoon 70 in use.*

Exclusive Calumet

## The Calumet Portable Studio Organizer folds up neatly for location work!



### Calumet Portable Studio Organizer

This multi-faceted equipment organizer will help you out in the studio as much as on location. Use it to store your light stands, umbrellas, soft boxes, cables, clamps and even your tripod. Constructed of tough Cordura™, the Studio Organizer features six pockets 29" deep, four pockets 17" deep, seven pockets 14" deep, and seven pockets 8" deep. A support rod sleeve is provided to suspend the Studio Organizer. Equipment is protected from dust or inclement weather by a full-size overflap which ties down securely in place. When traveling, the Organizer can be rolled up and secured with three 2" wide webbing straps with locking buckles. Measures: 44(w) x 63"(l).**PI6000 $179.95**

### Calumet Hi-Glide System

If you find yourself frustrated with your current studio lighting support system, don't hang your head in despair. Hang your heads — your flash heads — from Calumet's exclusive Hi-Glide System and enjoy the fluid movement, unlimited lighting placement and overall time-saving operation offered by this ceiling-mounted system.

Whether you are shooting products or portraits, your studio needs lighting flexibility in order to operate at maximum production and creativity levels. Repositioning your lights must be quick and easy, with plenty of placement options and directional control.

All things considered, nothing out-maneuvers or out-performs the Calumet Hi-Glide System.

## Consider These Real Rail Advantages:

- **More Floor Work Space**
  Removes the need for stands, "trip" cords and cables that clutter your studio floor. This assures improved maneuverability and reduces the risk of disrupting setups.
- **Versatile Lighting Placement**
  Light even the widest sweeps with ease! Simply "glide" your lights into position and lock them in place. Great for use with shooting tables.
- **Rapid Height Adjustment and Effortless Directional Control**
  Whether you're setting up a new shot or making minor lighting adjustments, the Hi-Glide System is guaranteed to save you time and trouble.
- **Convenient Set Maintenance**
  Change backdrops between shots without moving lights. Improved access to set makes even minor adjustments easier.
- **Universal Flash Adaptability**
  This versatile light support system can be used with any 5/8"-mount flash heads, monolights or tungsten units with or without soft boxes, umbrellas or reflectors. Suspend Calumet power packs for extra control convenience.
- **Economical Beyond Compare**
  Contrary to popular belief, a rail system is not a cost-prohibitive pipe-dream. When you consider the tremendous time-saving advantages, as well as superior flexibility over traditional light stands, it is worth every penny. Call for a price on a customized system to meet your needs, and we're sure you'll be pleasantly surprised.

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*




## Easy as 1, 2, 3!

In the past, rail systems have been cloaked in a veil of mystery. Calumet's Hi-Glide, on the other hand, is very easy to understand and install.

**#1. Start With The Ceiling . . .**
The most common means of mounting a rail to a ceiling is with a Short Fixing Kit which can be clamped to a wooden ceiling beam, bolted or even welded to a steel ceiling support. Fixed Rails are then mounted to the ceiling to form the base for the balance of the system. Minimum required ceiling height is 9'.

**#2. Add Lots of Movement . . .**
The Floating Rails, as their name implies, "float" along the length of the Fixed Rails, move from side to side and swivel on the Double Carriages, to give the system its flexible lighting placement.

**#3. Then Bring on the Lights!**
With the rails in place, all that is left to do is to hang your lights. Our convenient Lite-lift Kits not only support your lights, but offer height adjustment between 13" to 72" from the Floating Rails. Fixed-height support and lateral movement is also available for light units and power packs.

It's as simple as that! There's no mystery to it and no reason that every studio photographer should have to go another day without a Hi-Glide system!

### Custom Rail System Design Service

If you are considering a Calumet Hi-Glide System for your studio, we invite you to send in a diagram of your existing studio layout, with dimensions, structural specification and lighting requirements. Our technical experts can design a rail system package personalized to meet your specific needs. OR . . . Start with one of these two "basic kits" and build your own system:

### Calumet Hi-Glide Kit

4 – 10' Rails
4 – Double Carriages
2 – Single Carriages
2 – Lite-lift Kits
2 – Cable Fixing Kits
6 – Short Fixing Kits
4 – Safety Cables
Shipping Weight: 80 lbs.

**CE0010** **$1495.00**

### Calumet Deluxe Hi-Glide Kit

2 – 10' Rails
2 – 15' Rails
4 – Double Carriages
3 – Single Carriages
3 – Lite-lift Kits
3– Cable Fixing Kits
10 – Short Fixing Kits
6 – Safety Cables
Cable transfer runners
Shipping Weight: 110 lbs.

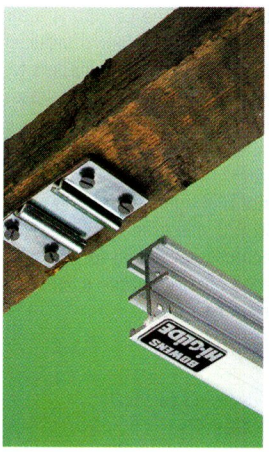
**CE0011** **$1749.00**

### Rail Mounting Hardware

These clamps are used to mount the rails directly to structural ceiling members such as ceiling joists or steel I-beams. One clamp is needed for every 3' of rail to be mounted to the ceiling.

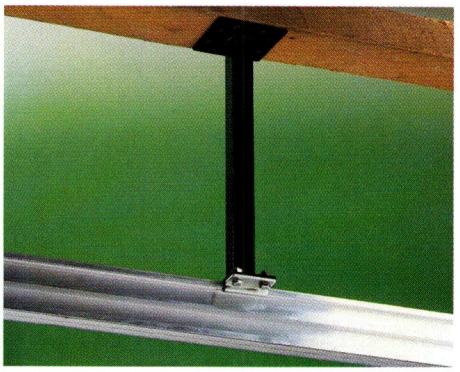
**Adjustable Girder Clamp**
Clamps directly to the underside of an I-beam. Adjusts to fit beams that are from 2½" to 8" wide and from 1/8" to ½" thick. When clamp is installed, the rails will run at a 90° angle to the supporting I-beam. If the rails are intended to run parallel to the supporting I-beam, a Back-to-Back Rail Clamp (CE2632) will have to be added to each girder clamp. **CE2650 $76.95**

**Back-to-Back Rail Clamp**
**CE2632 $37.95**



**Short Fixing Kit**
Consists of a flat plate and two clamping pieces. By using wood-screws or bolts, this unit may be attached directly to the underside of a wood or steel structural beam. This piece could also be permanently welded into place on a steel beam. **CE2629 $11.95**

**Universal Fixing Bracket**
The Universal fixing bracket contains a Short Fixing Kit and several "L" shaped pieces. This assortment provides you with the option of mounting the clamp to the side or bottom of various structural beams. **CE2605 $55.95**

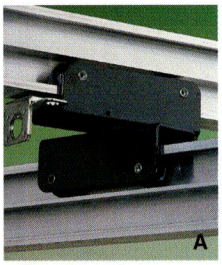


**Drop Ceiling Tubes**
30cm Drop Ceiling Tube **CE2661 $19.95**
50cm Drop Ceiling Tube **CE2662 $22.95**
100cm Drop Ceiling Tube **CE2663 $29.95**

**Adjustable Drop Ceiling Tubes**
Adjustable 30cm Drop Ceiling Tube
**CE2653 $38.95**
Adjustable 50cm Drop Ceiling Tube
**CE2654 $39.95**
Adjustable 100cm Drop Ceiling Tube
**CE2655 $46.95**

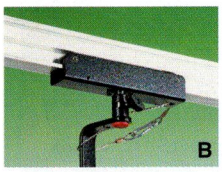
## Carriages

Carriages are used to connect the floating rails to the fixed rails and to connect light supports to the rails. Double braked carriages are used on the outside position of a floating rail to stabilize and provide a pivot point for the floating rail.




**Double Carriages**
For jointing the Floating rails to the Fixed rails.
**CE2603 $59.95**

**Ⓐ Double Carriage w/Brake**
**CE2620 $89.95**

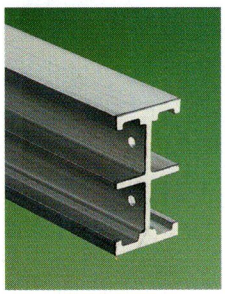



**Ⓑ Single Carriages**
For mounting lights to floating rails.
**CE2604 $39.95**

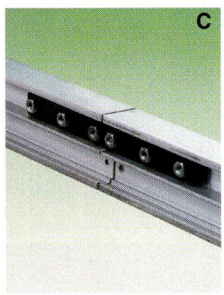
**Heavy-duty 6-Wheel Carriage**
For mounting power packs. **CE2648 $79.95**

**Heavy-duty 6-Wheel Carriage w/brake**
**CE2628 $59.95**

**Add-a-Lite Carriage**
Designed for temporary mounting of a light. (Doesn't have wheels.) **CE2660 $69.95**



**Ceiling and Support Rails**
The same rails are used for both the Fixed ceiling rails and the Floating Light support rails. Fixed rails can be joined by using the Rail Joining Plates to make up a rail of any length. Fixed rails require one Rail End Stop Kit for every pair of rails and floating rails require one kit per rail.
10' Rails **CE2600 (one pair) $289.95**
15' Rails **CE2601 (one pair) $409.95**




**Ⓒ Rail Joining Plates**
(Requires drilling of rails to install.)
**CE2633 $39.95**

**Rail End Stops** (comes with rails) **CE2606 (two pairs) $24.95**

## Light and Power Pack Mounting Hardware

**Power Pack Support Bracket**
Designed to mount Calumet power packs to the rail system. Brackets require a Heavy-duty carriage and either Extension tubes or the Mechanical Power Lift.
Support Bracket for Calumet Traveller 3000 pack
**CE2680 $79.95**




**Extension Tubes**
May be added to either end of a Lightlift to increase the range.

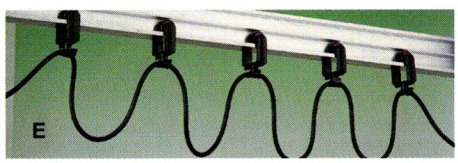
| | | |
|---|---|---|
| 12" Extension Tube | CE2615 | $39.95 |
| 24" Extension Tube | CE2616 | $64.95 |
| 36" Extension Tube | CE2617 | $74.95 |




**Ⓓ Lite-lift Kit**
This unit can be adjusted for lights up to 22 lbs. Additional springs can be added to increase the capacity to 44 lbs. The minimum extension for this piece is 13¼", maximum extension is 72". Includes ⅜" stud.
**CE2608 $399.95**

## Glide Rail Accessories

**Center of Gravity Bar**
This device allows you to change the center of gravity on a light head when a soft box or other heavy accessory is added to a head.
**CE2622 $79.95**




**Ⓔ Cable Transfer Runners**
Allow you to suspend your power cables safely from the rail system. (package of 5) **CE2607 $24.95**

**Safety Cable**
This strong, braided cord is extra insurance for your suspended equipment. **CE2619 $13.95**

Exclusive Calumet

**"Constantly moving and adjusting light stands used to be a big pain while photographing children's portraits. Thanks to Calumet's Rail System, my studio is much more efficient, and my job is a lot easier. I just slide a head over on the track and adjust it up or down in seconds. Unlike stands, the rail system lets me pull my light heads all the way to the floor when photographing infants and toddlers. It's also great for making fine adjustments – I simply pull the hair light over a fraction and the light measurement is perfect.**

**"Another big plus is the elimination of cords on the floor, which creates a better atmosphere for kids and less of a liability for our studio. It helps keep the studio spotless, which is important for our customers to see. It's the best assistant I could ask for!"**

**Bill Michlin,**
*Owner of Photographic Design*
Highland Park, Illinois

# Create Multiple Effects

**To illustrate the wide variety of effects that can be achieved from a single muslin, we chose one Pale Earth Master Series Background and photographed it four different ways.**

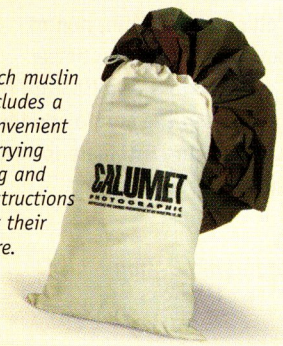
1. The unironed background was illuminated separately from the subject by lights gelled with two Rosco Sun CTO(#3407) filters.
2. This image shows the unironed background illuminated with ungelled lights.
3. For a different effect, the background was ironed and lit with ungelled lights.
4. In this application, the ironed background was illuminated with a light gelled with one Rosco Sun 1/2 CTO (#3408) filter.




*Photos by James I. McCarthy*

## Calumet Muslin Backgrounds

**Calumet is proud to offer an exclusive line of muslins made by Denny Manufacturing. Available now in three exciting groups – Master, Textured and Stone Washed – Calumet Muslins bring a new layer of creative inspiration to product and portrait shots alike!**

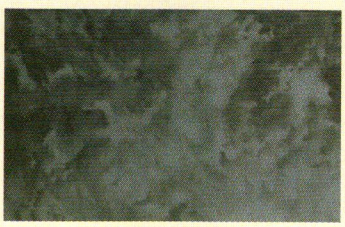



*Each muslin includes a convenient carrying bag and instructions for their care.*

### Master Series

Our Master Series Muslins are individually hand-painted so each background is distinctively original. To create their unique soft, mottled look, the Master Muslins' patterns are blended. The durable 50/50 (cotton/poly) fabric is washable and reduces wrinkling.

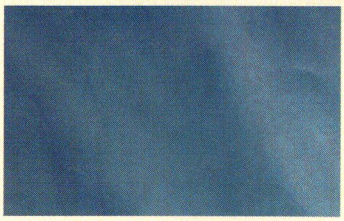
| Color | 10 x 12' $229.00 | 10 x 20' $279.00 |
|---|---|---|
| Greystone | DE3010 | DE4010 |
| Twilight | DE3030 | DE4030 |
| Storm | DE3040 | DE4040 |
| Pale Earth | DE3050 | DE4050 |
| Cirrus | DE3070 | DE4070 |
| Chocolate Shake | DE3090 | DE4090 |
| Northern Sky | DE3110 | DE4110 |

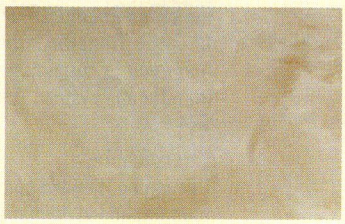

Greystone

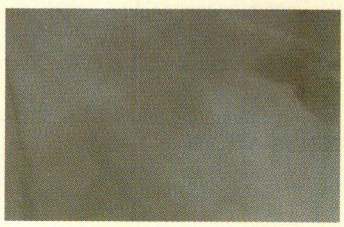

Twilight


Storm


Pale Earth


Cirrus


Chocolate Shake


Northern Sky

# with the Same Muslin!




*Photos by James I. McCarthy*

**These four shots illustrate a variety of effects that can be created with the Concrete Sky Textured Series Muslin Backgrounds.**

1. In this photo, the background was lit with a single background light while the subject was lit from the side by a gelled (Rosco #11) light.
2. This set was lit in the same fashion as #1, but with the gel removed from the side light.
3. Here, the background was draped and gathered for additional texture effect and lit with a background light.
4. The lighting in this photo was set up in the same manner as #3, but with the background light shut off.

**All Calumet muslins are neatly finished with a hem across the bottom and a loop along the top for fast, easy hanging from a background crossbar.**

**See page 117 for Calumet's Portable Background Support Systems**

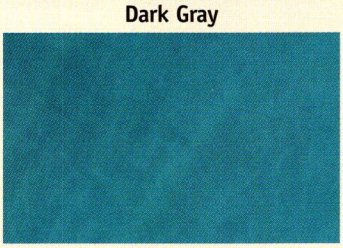
## Stone Washed Muslins

Made of 100% rugged muslin, these Stone Washed backgrounds are painted with a non-washable latex. They look handsome used alone or as an accessory to other muslin or canvas backgrounds.

| Color | $139.00 | $189.00 |
|---|---|---|
| Brown | DE0010 | DE0110 |
| Dark Gray | DE0040 | DE0140 |
| Dark Blue | DE0050 | DE0150 |
| White | DE0060 | DE0160 |



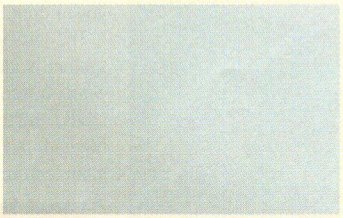
Dark Gray



Dark Blue



Brown



White

## Textured Series Muslins

These individually hand-painted muslins feature more distinct patterns than the Master Series on the same washable, 50/50 (cotton/poly) blend fabric.

| Color | 10 x 12' $219.00 | 10 x 20' $269.00 |
|---|---|---|
| Quicksand | DE1040 | DE2040 |
| Charcoal Dust | DE1050 | DE2050 |
| Concrete Sky | DE1060 | DE2060 |

Exclusive Calumet

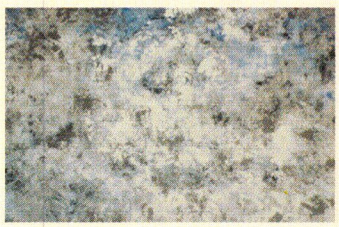
*While every effort was made to ensure accurate color reproduction, some variances may exist. A slight shrinkage does occur during manufacturing and may affect sizing.*



Quicksand



Charcoal Dust



Concrete Sky





*The above Custom Cyc is an example of our most requested configuration. It was custom created with one 3' corner section and 12 3' wall sections.*

## In Stock!

### Infinity Custom Cyc Walls

Need a permanent cyc? Infinity's Custom Cyc Walls can be ordered to fit your studio and your budget. This unique 3' and 5' radius system features a molded fiberglass corner section along with engineered PVC or Fiberglass** straight sections that will produce a seamless transition between your walls and floor. The 90° corner section can extend your cyc across two or three walls, and even the ceiling to create a U-shaped cove. The new, all Fiberglass Cycs are for heavy duty studio requirements and can also be installed outside, producing a perfect natural light cyc, or even on a moveable platform.

Infinity's smart modular panel system lets you create your ideal cyc in any configuration. Installation is simple, requiring no ribs or braces, and, if you move to another studio, your cyc can be re-installed in your new space. Detailed instructions are included on how to use standard drywall finishing techniques to blend all seams and joints into the smooth, flat shooting surface.

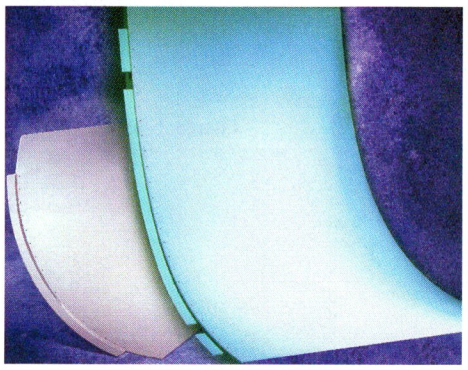
| | | |
|---|---|---|
| 3' Fiberglass Radius Corner Sect. | IW3003 | $549.95 |
| 3' PVC Radius Wall Section | IW3004 | $219.95 |
| 5' Fiberglass Radius Corner Sect.* | IW5005 | $1250.00 |
| 5' PVC Radius Wall Section* | IW5004 | $349.95 |

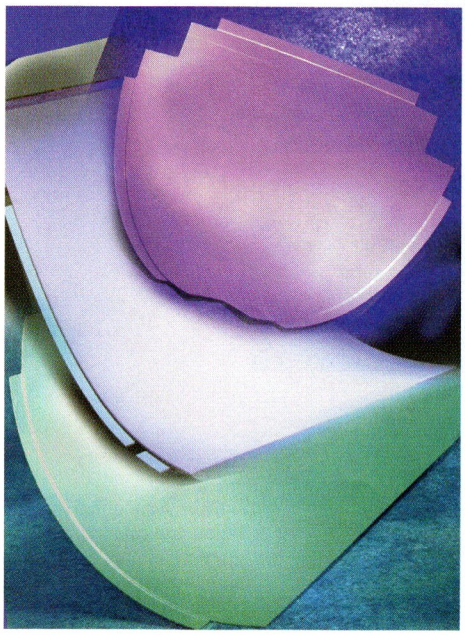
**New custom fiberglass designs are now available!**

*All 3' and 5' Radius wall sections are 48" wide.*
** Drop shipped directly from vendor.*

*** Fiberglass wall sections available upon request.*

Exclusive Calumet





## Ready to Ship!

### Infinity LiteCyc™

Tired of wrinkled and ripped seamless paper backgrounds? Well, here's the simple solution: a lightweight cyc system that gives you a great, hard seamless background up to 16' wide at an affordable price!

Using the same concept of traditional cycs, the LiteCyc installs right to your studio wall and floor with common hand tools. The results: a beautiful sweep that can be painted, used, and painted a new color time and time again. It's perfect for product and portrait shots, and because the LiteCyc is so affordable, you can use it to build a set on location and simply tear it down for disposal when you're done!

The LiteCyc is configured in 2 x 4' sections. This system is ideal for small studios with concrete or wooden floors and framed walls (wood or steel studs). Installation instructions are very straightforward and easy to follow. Includes one-year manufacturer warranty on parts.

| | | |
|---|---|---|
| 2' LiteCyc Section | IW2020 | $74.95 |

# Stand Cases



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Calumet is a Full-line Dealer

## Tenba Cases

### Tenba Tri Paks

Easy and economical way to transport light stands, umbrellas, cables and tripods. Tri Packs feature full length zipper, wood bottom liner, wrap around straps and small external pocket for accessories.

| | | | |
|---|---|---|---|
| Ⓐ T325 | 32(l) x 5¼"(d) | TE3041 | $39.95 |
| T385 | 38(l) x 5¼"(d) | TE4040 | $49.95 |
| T388 | 38(l) x 8½"(d) | TE3021 | $54.95 |
| T488 | 48(l) x 8½"(d) | TE3011 | $60.00 |
| Ⓑ T538 | 53(l) x 8½"(d) | TE3009 | $67.50 |

### Tenba Triangular Tri Paks

These air-shippable cases are made of Tenbalite, a corrugated plastic and closed cell foam, which protects against external shock. Also feature tie down straps on the inside and a full, open end with a #10 YKK zipper.

| | | | |
|---|---|---|---|
| TTP 34 | 34(l) x 6(h) x 5"(d) | TE3000 | $126.00 |
| Ⓒ TTP 46 | 46(l) x 9(h) x 7½"(d) | TE2095 | $150.00 |
| TTP 75 | 75(l) x 9(h) x 7½"(d) | TE2090 | $240.00 |

### Ⓓ Tenba Car Case Tri Paks

Heavily padded cases for light stands and tripods. Made of ballistic nylon, ⅜" thick closed cell cross linked foam. Unzips down the middle for easy access and a cloth divider to separate stands and umbrellas. Features flat outside pocket and leather hand grip. Great for location shoots.

| | | | |
|---|---|---|---|
| CCT32 | 32(l) x 11(h) x 11"(d) | TE3540 | $135.00 |
| CCT46 | 46(l) x 11(h) x 11"(d) | TE3535 | $150.00 |
| CCT51 | 51(l) x 11(h) x 11"(d) | TE3530 | $165.00 |



F

## Tamrac Cases

### Tamrac #328 Professional Location Bag

This professional light stand and tripod carrying system is foam padded and has internal Cordura pockets to keep the equipment organized. Forest Green only, 45(l) x 8(d) x 8"(h).
**TQ2273 $99.95**

### Ⓔ Tamrac Deluxe Padded Tripod Case XL

This waterproof, fully foam padded case will carry a tripod and head that collapses to 46" long. Features a full length outside zippered pocket, removable foam-padded shoulder strap and leather covered carrying handles. Forest Green only, 46(l) x 10(d) x 10"(h). **TQ2276 $175.00**

### Ⓕ Tamrac Rolling Tripod Case XL

Roll out your tripods and light stands to location shoots with this mobile case. Features a completely foam padded case on in-line skate wheels. The case is reinforced with plastic armor, featuring an adjustable divider for custom fitting most tripods up to 45" long. Padded entry door provides fast access and has a full size outside pocket for accessories. Both the pull handle and double carrying handles have leather wraps for carrying comfort. 45(l) x 11(d) x 8"(h).
**TQ2279 $380.00**

*Note: All dimensions provided are Inside Dimensions (I.D.), unless otherwise noted. l = length, h = height, d = depth*




Exclusive Calumet

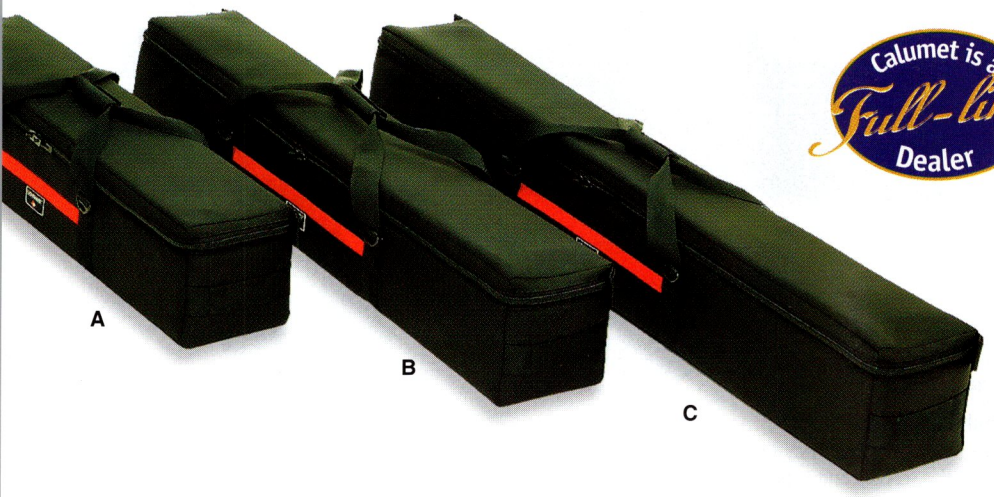
## Calumet Soft Shell Travel Bags

Ideal for light stands, umbrellas and tripods, these durable Cordura bags use heavy-duty nylon zippers on both main and outside compartments. A 2"-wide sling strap wraps around the entire bag for safe support.

Standard Travel Bag – 37½(l) x 9"(d) **PI5110 $49.95**

Extra-Long Travel Bag – 47½(l) x 9"(d) **PI5125 $54.95**

# Stand Cases







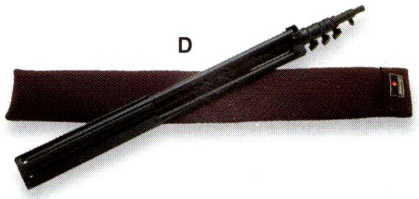
### Lightware Flip Lid Cargo Cases

Perfect for transporting a few light stands, soft boxes, umbrellas or a tripod. Feature a three-sided perimeter zipper, creating a flip lid. When unzipped, the lid stays open for easy loading. Made like Cargo cases with a ½" Duralight construction.

Ⓐ Flip Lid 38 Cargo Case: 38(l) x 8(w) x 7½"(h)
**LI5040 $178.95**

Ⓑ Flip Lid 50 Cargo Case: 50(l) x 8(w) x 7½"(h)
**LI5042 $203.95**

Ⓒ Flip Lid 62 Cargo Case: 62(l) x 8(w) x 7½"(h)
**LI5044 $255.95**




### Ⓓ Lightware Stand Sock

Perfect for storing and transporting stands. This padded "sock" protects your equipment from daily wear and tear. Holds folded stands 37" long. 38(l) x 5¾(w) x ½"(h) **LI5045 $22.49**

### Lightware Cargo Cases

These extra-light, super-strong cases have a pliable ½" Duralight foam core to protect your valuable equipment, especially those pieces that don't fit in standard cases. Great for stands, tripods, booms, and umbrellas.

Ⓔ 24" Cargo Case: 23½(l) x 11(w) x 11"(h)
**LI5000 $142.95**

32" Cargo Case: 31½(l) x 11(w) x 11"(h)
**LI5010 $153.95**

42" Cargo Case: 40½(l) x 11(w) x 11"(h)
**LI5020 $193.95**

Ⓕ 52" Cargo Case: 48½(l) x 11(w) x 11"(h)
**LI5030 $238.95**



### Fiberbilt Adjustable Cases

Practical cases, with adjustable length, perfect for transporting tripods and light stands, or useful for carrying large rolled gels and fragile backgrounds. Feature puncture-resistant plywood reinforced bottom, thick rubber pad in cover that holds load securely, heavy-duty strap and carrying handle.

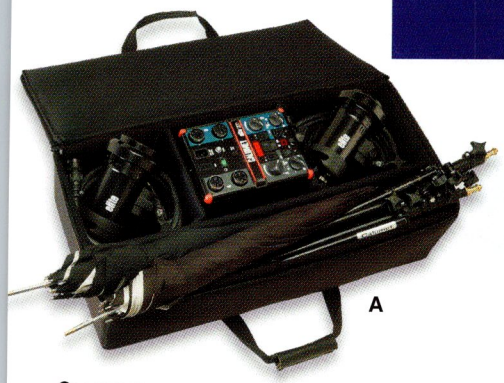
| | | |
|---|---|---|
| 30 – 40"(l) x 8½"(d) | FB3455 | $128.95 |
| 40 – 50"(l) x 8½"(d) | FB3460 | $132.95 |
| 30 – 40"(l) x 10"(d) | FB3465 | $138.95 |
| 40 – 50"(l) x 10"(d) | FB3470 | $141.95 |



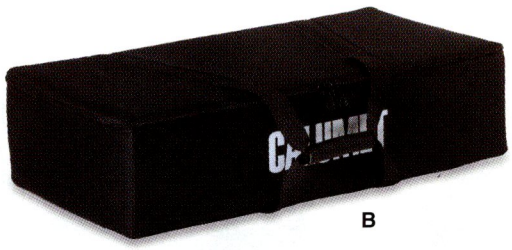
### Lightware Podpack

This convenient stand and tripod case is easy to pack. The Podpack is unpadded and features a gussetted central compartment, big enough for a large tripod. Two interior sling pockets keep stands, soft boxes or umbrellas separate and protected. 39(l) x 4½(w) x 10"(h)
**LI5050 $142.95**

# System Cases



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## CALUMET

**Ⓐ Universal Case**
Holds a 1200 Elite pack, two flash heads, two umbrellas and two stands. Inside: 28½(l) x 6½(h) x 14"(d). **CZ6000 $134.95**

**Ⓑ 4 Head Case**
Will handle 2400 Elite pack and four flash heads. Inside: 27(l) x 6½(h) x 17½"(d).
**BW7260 $139.95**

**Ⓒ Universal 3 Head Case**
Inside: 12½(l) x 21½(h) x 9"(d).
**CZ5100 $109.95**

**Ⓓ Travelite Case**
Features four dividers to protect up to four Travelites or three Travelites with the fourth section used for cords, reflectors, meters and other accessories. Inside: 26½(l) x 19(h) x 9"(d).
**BW0780 $169.95**

## TAMRAC

**Ⓔ 683 LightSpeed 3-Head Case**
Holds three heads, light stands up to 28" long and other equipment. Two internal dividers. Inside: 28¼(l) x 13¾ (h) x 7¾"(d). **TQ6683 $267.95**

**684 LightSpeed 4-Head Case**
Holds four heads, light stands up to 34" long and other equipment. Three internal dividers. Inside: 34¼(l) x 14¼(h) x 8¾"(d). **TQ6684 $383.95**

## TENBA

**Tenba Air Cases**
These ATA approved air cases are safe to ship anywhere and can carry up to 20 times their own weight. All models listed feature moveable dividers. Available in black only.

**MF AirMax Air Case**
Ideal for medium format systems or small location lighting systems. Will fit under airline seat. Outside: 21(l) x 8(h) x 16"(d). Inside: 19(l) x 6½(h) x 14½"(d). **TE3035 $249.95**

**Multi Air Case**
Will handle small flash heads or monolights. Outside: 24½(l) x 10½(h) x 17½"(d). Inside: 22(l) x 8(h) x 15"(d). **TE1005 $279.95**

**Ⓕ System 1 Case**
Perfect for holding light stands, umbrellas, power packs, and flash heads. Outside: 33½(l) x 13½(h) x 12¾"(d). Inside: 30½(l) x 11(h) x 10"(d).
**TE1007 $314.95**

**Head 2 Case**
Holds a Speedotron 1205 or 2405 pack and two heads, plus a small light stand. Includes one moveable divider. Outside: 23½(l) x 16½(h) x 10½"(d). Inside: 21(l) x 14(h) x 8"(d).
**TE6028 $269.95**

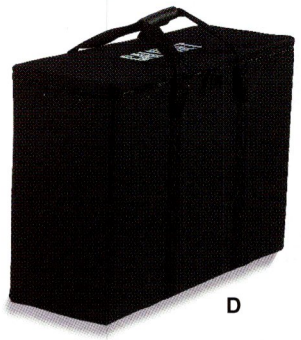
**Ⓖ Head 3 Case**
Holds up to three large Speedotron heads, three light stands, two umbrellas, plus cables, reflectors etc. Includes two movable dividers.
Outside: 30½(l) x 16½(h) x 10½"(d).
Inside: 28(l) x 14(h) x 8"(d). **TE1000 $299.95**

**Head 4 Case**
Holds up to four large Speedotron heads, three light stands, two umbrellas, plus cables, reflectors, etc. Includes two moveable dividers.
Outside: 37½(l) x 16½(h) x 10½" (d)
Inside: 35(l) x 14(h) x 8"(d). **TE6030 $345.95**

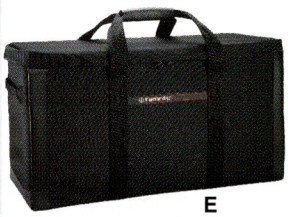
**Dyn-24 Case**
Three compartments hold two Dynalite M1000 packs and four heads. Outside: 23¼(l) x 18½(h) x 9¾"(d) Inside: 6(l) x 16(h) x 7¼"(d).
**TE5090 $274.95**

**El-202 Case**
Holds Elinchrom 101 or 202 pack with room for cables. Outside: 22½(l) x 17¾(h) x 8⅝"(d) Inside: 19¾(l) x 15¾(h) x 5⅝" (d).
**TE1015 $279.95**

**Ⓗ VERSA-FLEX MULTI-USE CASE**
Features black Cordura Nylon fabric cover removable shoulder strap. Soft foam padding inside and four foam padded inserts. Inside: 14(l) x 17(h) x 6½"(d) **VF1000 $179.95**



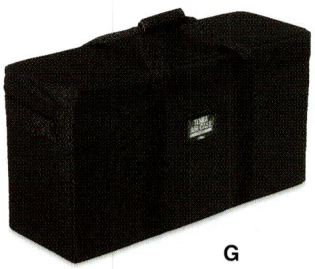
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## Transport Small Flash Systems to the Job

### Tamrac

**Rolling StrongBoxes**
These convenient transport cases feature rubber wheels with ball bearings for smooth travel and telescoping handles which open and close with the push of a button. Ballistic nylon outer shell and full foam padding inside offer tough protection, while adjustable dividers offer flexibility.

**Ⓐ Rolling StrongBox #652**
Features a full length front pocket with easy access. Fits most airline overhead compartments. 19(w) x 13¼(d) x 7"(h) **TQ1225 $274.95**

**Ⓑ Jumbo Rolling StrongBox #654**
5½" longer and 1¾" deeper than #652 for maximum storage space. 24½(w) x 13½(d) x 8¾"(h) **TQ1228 $324.95**

**Rolling Studios**
Transport stands, tripods, umbrellas, strobe and tungsten light heads and power packs safely on location with these fine luggage duffles on wheels.

**Ⓒ Rolling Studio #660**
Accommodates a tripod, a few light stands (up to 31" long), umbrellas and a power pack. 31(w) x 15½(d) x 7¾"(h) **TQ1229 $379.95**

**Ⓓ Medium Rolling Studio #661**
Holds stands and tripods up to 35" long, power packs, multiple lights, umbrellas and accessories. 35(w) x 16(d) x 8½"(h) **TQ1230 $408.95**

**Ⓔ Super Rolling Studio #662**
Holds stands and tripods up to 43" long and multiple power packs. 43(w) x 18(d) x 7½"(h) **TQ1227 $458.95**

*Note: All Tamrac dimensions given are Interior Dimensions (I.D.)*

### Pelican Protector Equipment Cases

Constructed of lightweight structural resin with a neoprene o-ring seal. Water- and air-tight to 30'.

**1550 Pro Case**
I.D.: 19(l) x 14(w) x 7¾"(d). Weight 14 lbs. Black **PV15502 $127.95**

**1600 King Case**
I.D.: 22(l) x 17(w) x 8 "(d). Weight 17 lbs. Black **PV16002 $152.95**

**Ⓕ 1650 Rolling Case**
Features large trunk handles and latches, divider system and 2" rubber transport wheels. I.D.: 29(l) x 18(w) x 10½"(d). Weight 17.5 lbs. **PV1654 $285.95**

**Lid Organizer for 1650 Rolling Case**
Neatly organizes your film, filters and other gadgets with nylon zippers and mesh pockets. Installs with Velcro® strip (included). **PV1510 $29.95**



## For the Studio or Location

### Pro-Step Ladders

Step up for those one-of-a-kind shots without risking your life. These feather-weight aluminum ladders offer easy transport and are rated up to 330 lbs. Features easy-mounting steps, anti-slip footings, non-snagging edges, secure locking platform, black finish and removable sign board.
3-Step (Ht.: 27", Wt.: 5 lbs.) AA0600 $169.95
4-Step (Ht.: 36", Wt.: 6 lbs.) AA0601 $179.95
5-Step (Ht.: 44", Wt.: 8 lbs.) AA0602 $199.95

## Capacity and Portability

### Rock N' Roller Supercart

This revolutionary "supercart" can meet a wide variety of your studio and location needs. As a 2-wheel handtruck with extended nose and heavy-duty stair glides it can transport bulky boxes or luggage. As a 4-wheel variable-length platform truck, it can move a multitude of equipment cases. As a variable-length hi-stacker, its 32" sides will transport high loads of cargo. And, with both ends folded down, it's a steerable 4-wheel dolly that will move oversized loads and heavy equipment.

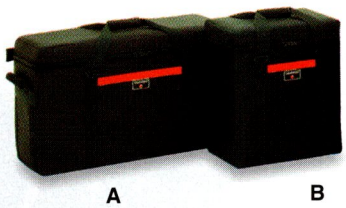
The Rock N' Roller weighs only 33 lbs., yet will move loads up to 500 lbs. Its expandable frame telescopes from 34 to 52". Its folding sides allow you to stack high loads. Its pneumatic rear wheels and front swivel casters easily roll over rough surfaces (even curbs) and minimize shock to delicate equipment. The Rock N' Roller folds down for compact transport and minimal storage and meets airport baggage requirements.
**AA0800 $199.95**

*Folded to minimum length for portability*






*Shown with cart extended to full frame expansion*



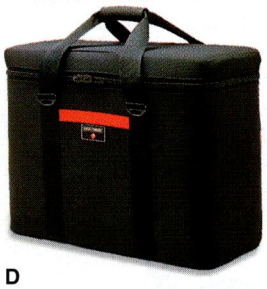
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## Lightware Cases

**Ⓐ Four Strobe Head Case**
Will hold up to four strobe heads from an array of systems, a variety of Calumet Travelite systems, or two Dyna-Lite 2000XL packs with four heads plus accessories. I.D.: 28(l) x 8½(w) x 15(h)". Weighs 11¼ lbs. without dividers. **LI1090 $364.95**

**Ⓑ SpeedPack Case**
Sized for the Speedotron 4803, this case also accepts the Speedotron 812, 1205 and 2401B. I.D.: 14½(l) x 9(w) x 16¼(h)". Weighs 7½ lbs. **LI1000 $267.95**

**Ⓒ LightWalker™**
This new rolling case features unibody molded shell and modular divider system. Also comes with two roomy, inside zippered mesh pockets. I.D.: 20(l) x 13(w) x 6½(h)". Weighs 10¼ lbs. (without dividers). **LI1010 $457.95**

**Power Kit 1200**
I.D.: 14 x 7½ x 12½". Weighs 11 lbs. Includes one divider. **LI1500 $258.95**

**Ⓓ Power Kit 1400**
I.D.: 19 x 7½ x 14½". Weighs 8 lbs. Includes two dividers. **LI1510 $296.95**

**Ⓔ Power Kit 1600**
I.D.: 26 x 7½ x 16½". Weighs 11 lbs. Includes two dividers. **LI1520 $343.95**

**Ⓕ Power Kit 1800**
I.D.: 29 x 7½ x 18½". Weighs 13 lbs. Includes three dividers. **LI1530 $383.95**

**Lightware Soft Side Cases**
Ideal as carry-on luggage. Can also be unzipped to lie completely flat.

**Ⓖ SpeedPack Case**
I.D.: 15(l) x 9(w) x 14(h)". Weighs 3 lbs. **LI1005 $125.95**

**Ⓗ Mid Size Case**
I.D.: 17(l) x 7(w) x 10(h)". Weighs 2½ lbs. **LI1025 $125.95**

**Ⓘ Compack Case**
I.D.: 14(l) x 8½(w) x 10½(h)". Weighs 2 lbs. **LI1031 $125.95**

**Ⓙ Deluxe Kit Case**
I.D.: 31(l) x 7(w) x 12(h)". Weighs 6 lbs. **LI1033 $214.95**

**Ⓚ MF1623 Medium Format Case**
Lightware's largest medium format case with an ample 23 x 16 x 8" interior which can also accommodate most location power packs with a few light heads. Weighs just over 10 lbs. and includes four dividers. **LI2050 $342.95**



K

### Accessories

**Divider Kit**
Two full-length dividers and ten Velcro fasteners. **LI6010 $29.95**

**Shoulder Strap**
Adjustable length, padded strap with Fastex hardware. **LI6000 $24.95**

## Location Carts

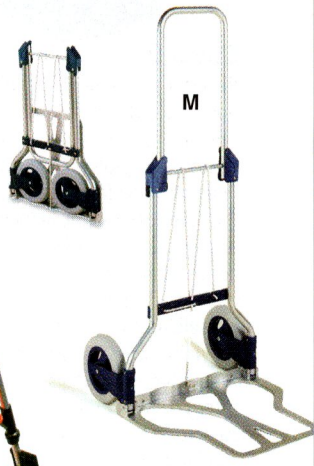
**Ⓛ Calumet Location Cart**
This heavy-duty, cart takes the head- and back-ache out of going on location. Rated to carry up to 400 lbs., it does so with ease. Its 16½" wide wheel base provides excellent balance. 6" rubber wheels with ball bearings provide a smooth, cushioned ride. Stair glides facilitate up and down mobility. 52" telescoping tubes provide single-action closing. Securing cords terminate with safety loops. Includes pad and tube set which offers extra protection to your load. Opens to 52 x 16½ x 19", folds to 25½ x 5¾" and weighs 13¾ lbs. **RK2070 $137.95**



L

### RuXXac Fold-Flat Hand Cart

These heavy-duty folding hand carts haul up to 275 lbs. with ease. They feature oversized platforms and large, shock-absorbent, semi-pneumatic tires for a smooth ride. Aluminum tubing frame and castings are lightweight, yet rugged.



M

**Ⓜ Regular RuXXac Fold-Flat Cart**
40" high, 19 x 9½" platform. Folds to 26 x 19 x 2½". **RX1020 $126.95**

**Extra-Long RuXXac Fold-Flat Cart**
44" high, 19 x 15½" platform. Folds to 28 x 19 x 2½". **RX1030 $147.95**



N

**Ⓝ Jumbo RuXXac Fold-Flat Cart**
Holds up to 550 lbs.! 49¾" high, 22½ x 13½" platform. Folds to 34½ x 22½ x 2¾". **RX1040 $361.95**



*Cameras shown here with optional equipment.*

Calumet is a Full-line Dealer

## 501CM

A mechanical, battery-independent leaf shutter camera equipped with Gliding Mirror System (GMS) which provides a full viewfinder image with virtually all lenses. The ideal additional camera body for serious Hasselblad photographers, or, as a kit, the perfect entrance into the Hasselblad system.

501CM Chrome Body
**HA1001 $1585.00**

501CM Black Body
**HA1005 $1585.00**

### 501CM Kits

Includes 501CM body, CB 80mm f/2.8 lens and A12 film back.

Chrome **HA1007 $2799.00**

Black **HA1008 $2799.00**



## 555ELD

Redeveloped from the studio work-horse 553ELX, the 555ELD offers several improvements specially adapted for professional digital imaging. New features include improved stray-light reduction, ensuring image-quality for both conventional and digital photography; connectors for the Hasselblad IR remote control, providing wireless camera operation; integrated connectors which interface directly to leading digital camera backs; and redesigned mirror mechanism which increases the durability and reliability of the mirror operation. The ISO film speed setting was also raised to ISO64-4000 in order to comply with the new film types on the market.

Chrome 555ELD Body
**HA1051 $2995.00**

Black 555ELD Body
**HA1052 $2995.00**

## 503CW

The 503CW features built-in TTL-OTF flash metering system and the option to use the Winder CW, convenient for studio or location work. Gliding mirror system (GMS) provides a full viewfinder image with virtually all focal length lenses.

503CW Chrome Body
**HA1026 $1887.00**

503CW Black Body
**HA1027 $1887.00**



## 201F

Equipped with an electronically controlled focal plane shutter, allowing the use of the larger aperture FE lenses, as well as the entire range of CF lenses, which provide shorter flash sync speeds. Features shutter speeds from 1 sec. up to 1/1000 sec. and built-in TTL/OTF flash metering. The 201F is adapted for the Winder F and accepts most system accessories.

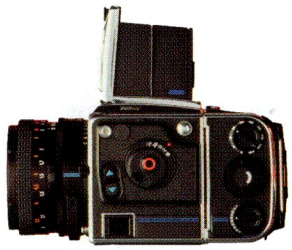
201F Chrome Body
**HA1030 $3499.00**

## 203FE

Equipped with selective area exposure metering which is ideal for fast moving subjects in rapidly changing light conditions. Offers focal plane shutter speeds from 34 min. to 1/2000 sec., automatically-controlled exposures and flash, as well as bracketing with an optional winder. Uses larger aperture FE lenses as well as CF lenses, and accepts most system accessories.

203FE Chrome Body
**HA1045 $5626.00**

203FE Black Body
**HA1046 $5626.00**



## 205FCC

The most advanced Hasselblad camera model featuring an extremely precise spot metering system. Its multi-mode aperture-priority metering options provide total exposure control in both color and black & white photography. You can choose between four different function modes, as well as flash control and auto bracketing. The electronically controlled focal plane shutter provides shutter speeds from 34 sec. up to 1/2000 sec. Adapted for winder and compatible with most system accessories.

205FCC Chrome Body
**HA1069 $7340.00**

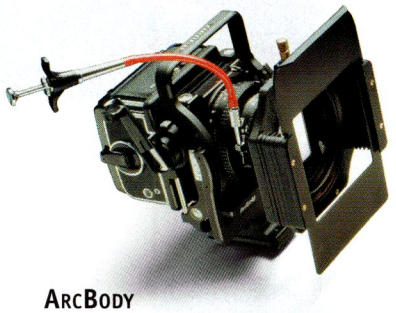


## 903SWC

The ultimate tool for super wide angle photography. Equipped with the Biogon CF 38mm lens featuring a 90° diagonal angle of view, virtually distortion-free image reproduction, stunning depth-of-field and superb corner-to-corner sharpness, the 903SWC is only comparable with the very best view cameras. It accepts all Hasselblad film magazines as well as a focusing screen adapter, which can be used with any Hasselblad viewfinder.

903SWC Chrome
**HA1070 $5236.00**

903SWC Black
**HA1013 $5236.00**



## ArcBody

With its built-in, image controlling shifts and tilts, the ArcBody is a great for architectural, industrial and studio product photographers. The rear standard shifts up to 28mm to correct for diverging or converging lines in an image. The rear standard tilt of ±15° adds excellent control over depth-of-field. Three special lenses have been designed exclusively for the ArcBody by Rodenstock (see facing page) It also accepts Hasselblad film magazines, view-finders and a range of dedicated accessories.

ArcBody
**HA1057 $2809.00**
ArcBody w/45mm f/4.5 Apo-Grandagon Lens
**HA1058 $5114.00**



## FlexBody

This unique camera "body" consists of a front standard, bellows and an adjustable rear standard. The rear standard can be vertically shifted up to ±14mm for perspective control (depending upon the image circle of the lens being used).

Tilt adjustment for controlling the sharpness zone can be made up to approximately ±28°. With the rear standard in neutral position, the FlexBody can also be used for close-ups, providing a variable extension of up to 22mm. For focusing, composition and viewing the effect of shift and tilt adjustments, a focusing screen adapter and two patented correction slides provide a bright viewfinder image.
**HA1017 $2295.00**

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## CFI Lenses & Dedicated Lens Shades

*(Series 60 unless noted)*

| | | |
|---|---|---|
| 30mm CFI Distagon f/3.5 Fisheye (4 filters included) | HA1103 | $5971.00 |
| 40mm CF Distagon f/4 (Series 93)* | HA1106 | $4119.00 |
| 50mm CFI Distagon f/4 | HA1114 | $2804.00 |
| Lens shade (70Ø) | HA3090 | $125.95 |
| 80mm CFI Planar f/2.8 | HA1121 | $1788.00 |
| Lens shade | HA3051 | $104.95 |
| 100mm CFI Planar f/3.5 | HA1126 | $2579.00 |
| Lens shade | HA3052 | $114.95 |
| 120mm CF Makro-Planar f/4 | HA1136 | $2889.00 |
| Lens shade | HA3052 | $114.95 |
| 135mm CF Makro-Planar f/5.6 | HA1140 | $2579.00 |
| Lens shade | HA3052 | $114.95 |
| 150mm CFI Sonnar f/4 | HA1144 | $2869.00 |
| Lens shade | HA3052 | $114.95 |
| 180mm CFI Sonnar f/4 | HA1149 | $3085.00 |
| Lens shade | HA3052 | $114.95 |
| 250mm CFI Sonnar f/5.6 | HA1152 | $3201.00 |
| Lens shade | HA3052 | $114.95 |
| 250mm CFI Sonnar Super Achromat f/5.6 | HA1156 | $5175.00 |
| Lens shade | HA3052 | $114.95 |
| 500mm CF Tele-Apotessar f/8.0 (Series 93)* | HA1165 | $5959.00 |
| 140-280mm CF Variogon f/5.6 | HA1168 | $6749.00 |
| 2x E Tele-converter | HA1172 | $1342.00 |
| 1.4 XE Tele-converter | HA1174 | $1109.00 |
| 350mm CFE Tele-Superachromat f/5.6* | HA1161 | $6995.00 |

## FE Lenses & Accessories

*For use only with Hasselblads with focal plane shutters.*

| | | |
|---|---|---|
| 50mm f/2.8 FE Planar (93Ø)* | HA1074 | $3967.00 |
| 80mm f/2.8 FE Planar (60Ø) | HA1073 | $1856.00 |
| Lens shade | HA3051 | $104.95 |
| 110mm f/2 FE Planar (70Ø) | HA1075 | $3919.00 |
| Lens shade | HA3116 | $126.95 |
| 150mm f/2.8 FE Sonnar (70Ø) | HA1076 | $3429.00 |
| Lens shade | HA3116 | $126.95 |
| 250mm f/4 FE Tele-Tessar (70Ø) | HA1077 | $3679.00 |
| Lens shade | HA3116 | $126.95 |
| 350mm f/4 FE Tele-Tessar (93Ø)* | HA1078 | $8279.00 |

** Includes lens shade.*




### Teleconverter APO 1.4XE

Optimized for use with the Tele-Superachromat CFE 350mm lens The combination results in an excellent 490mm f/8 lens that enhances optical performance of the original glass itself.
**HA1173 $1219.00**

### CB Lenses

Combine superb image quality with a favourable price-level. For use with 500 series camera models, but can also be used on 200 series models.

60mm f/3.5 CB (60Ø) **HA1116 $2138.00**

Lens shade **HA3050 $104.95**

160mm f/4.8 CB (60Ø) **HA1146 $2460.00**

### Rodenstock Lenses for the ArcBody

Apo-Grandagon 35mm f/4.5 **HA1095 $2619.00**

Apo-Grandagon 45mm f/4.5 **HA1096 $2259.00**

Grandagon-N 75mm f/4.5 **HA1097 $3149.00**



## Viewfinders

### PM-90 Prism Finder

In-line, eye-level viewer with 2X image. Ideal for shooting vertical 6x4.5cm images.
**HA2250 $668.00**

### PME90 Meter Prism Finder

This convenient in-line prism viewfinder has a built-in incident metering dome and offers three different metering methods (spot, integral and incident), a choice of shutter or aperture priority, reference metering and a wide range of presetting possibilities. **HA2252 $1252.00**

### PME-51 Meter Prism Finder

Center-weighted metering with 45° sighting angle.
**HA22595 $1549.00**

### PM-5 Prism Finder

Features unreversed image 3X larger than focusing screen, 45° sighting angle and a built-in accessory shoe. **HA2258 $1049.00**

### Magnifying Hood

Enlarges focusing screen image 3.5X. Eye-piece allows +3.5 to –2.5 diopter adjustment.
**HA2255 $452.00**

### RM-2 Reflex 90° Finder

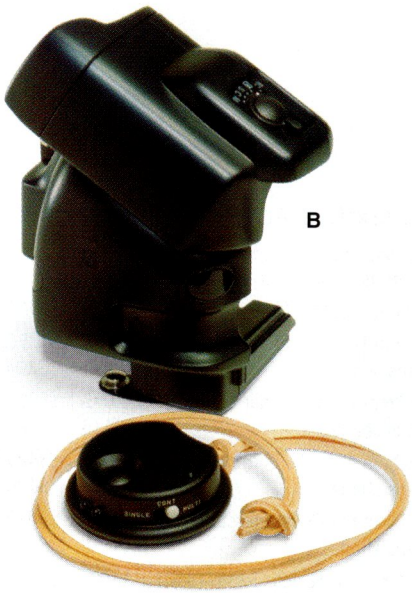
Unreversed image 3X larger than focusing screen. Extra large exit pupil, ±5 diopter correction, perfect for eyeglass wearers. **HA2262 $1329.00**

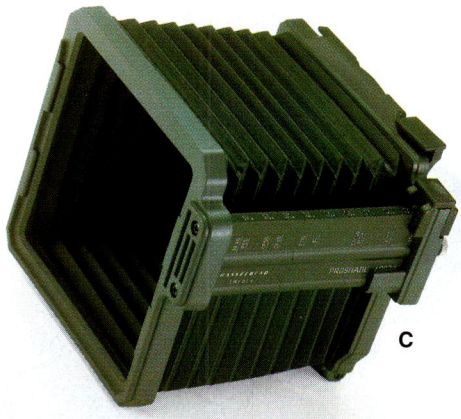
## Film Magazines

| | | |
|---|---|---|
| A12 Chrome Film Magazine* | HA2080 | $730.95 |
| A12 Black Film Magazine* | HA2081 | $730.95 |
| A16 Chrome Film Magazine* | HA2082 | $835.95 |
| A16 Black Film Magazine* | HA2083 | $835.95 |
| A24 Chrome Film Magazine* | HA2084 | $835.95 |
| A24 Black Film Magazine* | HA2085 | $835.95 |
| E12 Chrome Film Magazine | HA2100 | $1023.00 |
| E12 Black Film Magazine | HA2101 | $1023.00 |
| E16 Chrome Film Magazine | HA2102 | $1072.00 |
| E16 Black Film Magazine | HA2103 | $1072.00 |
| E24 Chrome Film Magazine | HA2104 | $1060.00 |
| E24 Black Film Magazine | HA2105 | $1060.00 |
| A32 Chrome Film Magazine | HA2086 | $963.00 |
| A32 Black Film Magazine | HA2087 | $963.00 |
| E12CC Chrome Film Magazine | HA1079 | $1259.00 |
| E12CC Black Film Magazine | HA1080 | $1259.00 |
| Winder F | HA1092 | $1089.00 |
| Rapid Winding Crank F/CX 1 and 200 series | HA1085 | $87.00 |
| 70mm for 70 exp. 2¼ x 2¼ (black) | HA2098 | $1243.00 |
| 70mm for 70 exp. 2¼ x 2¼ (chrome) | HA2070 | $1243.00 |
| Replacement Dark Slide for roll film magazines | HA2120 | $16.49 |
| PolaPlus 6x6 Polaroid Film Magazine | HA2077 | $419.95 |
| Replacement Dark Slide for Polaroid Magazines | HA2122 | $22.00 |

** New A-series backs have built-in dark slide holder.*




### Ⓐ D-Flash 40

This powerful flash unit connects directly to the electronics of the 500 and 200 series cameras with built-in TTL-OTL flash metering system. Since the flash works in automatic TTL-mode only, operation is very simple. Only two controls are used: a power switch and a flash test button, which is illuminated when the flash is ready.
**HA3450 $462.95**

### Snap-Lock Flash Grip

Designed to support the D-Flash 40 and other handheld flash units. The 360° swivelling snap-lock mechanism allows the handle to be tilted forwards and backwards to any desired position.
**HA3455 $419.95**

### Acute Matte D Focusing Screens

These focusing screens combine extreme brightness and clearness with even illumination, which remarkably facilitates quick and precise focusing.

| | | |
|---|---|---|
| Standard Screen | HA3241 | $261.95 |
| Microprism | HA3244 | $315.95 |
| Grid Split Image | HA3245 | $315.95 |

### Meter Prism Viewfinder PME90

The advanced 90° meter prism viewfinder offers three different metering methods (TTL spot metering, center weighted TTL integral metering or incident light metering), a choice of shutter or aperture priority, reference metering and a range of presetting possibilities. **HA2252 $1252.00**

### Ⓑ Winder CW

Designed for use with the 503CW and 503CXi, the Winder CW replaces the winding crank and provides a comfortable grip which facilitates hand-held photography in all positions. It can be set to single, continuous or multiple exposure, infrared remote control and on/off lock. Using the IR Remote Control or the Release Cord it can be remotely operated. The winder has a 3000 exposure capacity with six 1.5 V size AA alkaline batteries (not included). The Winder is supplied with IR Remote Control and a wrist strap.
**HA1094 $997.95**

### Close-up Accessories

| | | |
|---|---|---|
| Automatic Bellows Extension | HA4070 | $1669.00 |
| Extension Tube 8 | HA4056 | $367.95 |
| Extension Tube 16 E | HA4060 | $315.95 |
| Extension Tube 32 E | HA4064 | $336.95 |
| Extension Tube 56 E | HA4068 | $388.95 |
| Proxar 0.5 Series 60 | HA5150 | $189.95 |
| Proxar 1.0 Series 60 | HA5152 | $189.95 |
| Proxar 2.0 Series 60 | HA5154 | $189.95 |

### Series 60 Filters and Adapters

| | | |
|---|---|---|
| UV Sky | HA5132 | $136.95 |
| CR 1.5 | HA5134 | $136.95 |
| CR-3 | HA5135 | $136.95 |
| Polarizing | HA5128 | $282.95 |
| Softar I | HA5160 | $231.95 |
| Softar II | HA5162 | $231.95 |
| Series 50-60 Step-up Ring | HA3067 | $126.95 |
| Series 60-70 Step-up Ring | HA3068 | $116.95 |
| Tiffen Series 60 to 67mm | TF16067 | $28.89 |

### Accessories

| | | |
|---|---|---|
| Camera Strap (regular) | HA2278 | $41.49 |
| Camera Strap (wide) | HA3330 | $49.95 |
| Camera Strap (contoured) | HA3331 | $89.49 |
| Rapid Wind Crank for CXi, CW, and 200 Series | HA1085 | $87.00 |
| Rapid Wind Crank CM | HA2200 | $94.49 |
| Winder F | HA1092 | $1089.00 |
| Spirit Level | HA3414 | $79.49 |
| FK-30 Release Cord (.3 m) | HA6034 | $62.95 |
| SK150 Release Cord (1.5 m) | HA6040 | $65.95 |
| NMH Battery (for EL models) | HA6001 | $89.95 |
| Motor Fuse (for all EL models) | HA6054 | $3.32 |
| Rear Body Cover | HA7500 | $14.00 |
| Front Body Cover | HA7502 | $11.00 |
| Rear Lens Cap | HA7524 | $15.49 |

### Ⓒ Professional Lenshade 6093T

The 6093T is designed to fit all Hasselblad lenses (except 30mm fisheye). Its compact, folding design makes it easy to use and store for transport. The shade extends to nearly 90mm and offers a wide range of filter options for glass, gelatin, plastic and polyester. Requires lens mounting adapter. **HA3060 $377.95**

### Proshade 6093T Lens Adapters

| | | |
|---|---|---|
| Series 60 | HA3070 | $72.95 |
| Series 70 | HA3072 | $104.95 |
| Series 93 | HA3074 | $137.95 |
| 67mm | HA3075 | $41.95 |

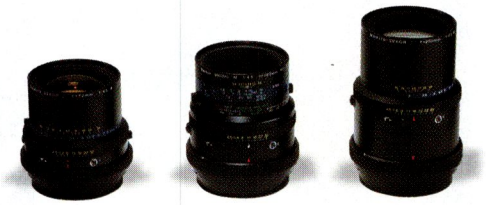
### Proshade 6093T Accessories

| | | |
|---|---|---|
| 75mm (3") Gelatin Filter Holder (Pkg/5) | HA3076 | $39.49 |
| 100mm (4") Gelatin Filter Holder (Pkg/5) | HA3078 | $46.00 |
| Prosoft Filter Kit (100mm) | HA3080 | $179.95 |

### Hasselblad Manual

by Ernest Wildi **HA8004 $69.95**



## Mamiya RZ67 Pro II

This camera has become the industry standard used by many of today's most renowned photographers and artists because of its large 6x7cm ideal format negative size, over four and half times larger than 35mm. Also notable are the RZ's ultra-high performance lenses, and multi-format versatility. Distinctive features include convenient revolving back, bellows focusing, big and bright viewfinder and extensive system of accessories. Other notable features include:

- Ultra-fine focusing dial
- Intermediate manual shutter speed settings for electronically timed 1/2 steps in exposure
- Mechanical 1/400 sec. shutter speed override
- Viewfinder signals include Low Battery, Dark Slide Position & Shutter Not Cocked
- Audible warning signals to promote proper operation
- Shutter release safety lock

**MA0282 $1899.00**

## Mamiya RZ67 Pro II Outfit

Includes R267 Pro II body with 120 roll film holder, 110mm f2.8z lens and waist level finder.

**MA0283 $2999.00**

### RZ67 Accessories

| | | |
|---|---|---|
| RZ Power Winder II | MA1780 | $549.95 |
| Radio Remote Control Set | MA2532 | $109.95 |
| L Grip for RZ | MA2026 | $239.95 |
| Mirror-UP Cable Release | MA2940 | $79.95 |
| Auto Extension Tube #1 | MA2880 | $439.95 |
| Auto Extension Tube #2 | MA2882 | $475.00 |

### RZ 67 PRO II Accessories

| | | |
|---|---|---|
| AE Prism Finder | MA2406 | $1229.00 |
| Focusing Screen Matte | MA2367 | $64.95 |
| 120 Roll Film Holder | MA25005 | $635.00 |
| 220 Roll Film Holder | MA2506 | $645.00 |
| 6x4.5 Roll Film Holder | MA25075 | $645.00 |
| Mamiya/Metz SCA 395 Module for in-camera flash-ready light | MA4500 | $54.95 |
| Prism Finder Model II | MA2318 | $849.95 |
| Bellows Lens Hood Model G2 | MA2561 | $199.95 |

### RZ Series Lenses

| | | |
|---|---|---|
| 37mm f4.5Z Fisheye (40.5Ø) | MA1710 | $2689.00 |
| 50mm f4.5 ULD L-A (77Ø) | MA1721 | $1729.00 |
| 65mm f4L-A (77Ø) | MA1731 | $1875.00 |
| 75mm f4.5 Z Shift (105Ø) | MA1735 | $3169.00 |
| 90mm f3.5Z (77Ø) | MA1737 | $1389.00 |
| 110mm f2.8Z (77Ø) | MA1740 | $1429.00 |
| 140mm f4.5L-A Macro (77Ø) | MA1747 | $1875.00 |
| 150mm f3.5W (77Ø) | MA1748 | $1489.00 |
| 180mm f4.5Z (77Ø) | MA1750 | $1515.00 |
| 180mm f4. VSF (77Ø) | MA1751 | $1629.00 |
| 210mm f4.5Z APO (77Ø) | MA1755 | $3329.00 |
| 250mm f4.5Z (77Ø) | MA1760 | $1939.00 |
| 250mm f4.5Z APO (77Ø) | MA1762 | $3839.00 |
| 350mm f5.6Z APO (77Ø) | MA1763 | $4289.00 |
| 500mm f8.0Z (105Ø) | MA1770 | $4549.00 |
| 500mm f6Z APO (105Ø) | MA1771 | $6199.00 |
| 100-200mm f5.2 RZ (77Ø) | MA1773 | $3739.00 |
| 1.4x Converter | MA1775 | $869.00 |

### RZ Short Barrel Lenses

These lenses can focus from close-up to infinity when mounted with the Shift/Tilt Adapter or with the Auto Spacer. For accurate viewing when using tilt and shift movements, a Ground Glass Adapter is required. It virtually converts the RZ to a view camera.

| | | |
|---|---|---|
| 75mm f4.5Z SB (77Ø) | MA1701 | $1899.00 |
| 180mm f4.5Z SB (77Ø) | MA1702 | $1249.00 |
| Auto Spacer, 27.2mm | MA1706 | $349.95 |
| Shift/Tilt Adapter | MA1707 | $1499.00 |
| Ground Glass Focus. Adapter | MA1708 | $499.95 |







### Mamiya 645 Pro TL Camera

This latest model of the popular 645 Pro has all the conveniences of its predecessor in addition to TTL flash output control. To ensure the most precise flash exposures, an interior sensor measures reflected light from the film surface and adjusts flash output instantly. The 645 Pro TL is compatible with Mamiya's high performance lenses and interchangeable film backs for 6 x 4.5cm, 120/220 and Polaroid proofing.
**MA0264 $1599.00**

SCA 396 Metz adapter for 645 Pro TL
**MA2842 $199.95**

### Mamiya 645 SV-II Pack

This complete camera package a great way to jump into the popular 6x4.5cm medium format. Packaged for value, the 645 SV comes complete with a 645 Pro TL body with a split image/microprism focusing screen, a lightweight and bright viewing AE Reflex Finder, a C 80mm f/2.8 lens, and an interchangeable film magazine with a fast-loading 120 insert. The X sync speed is 1/60 second on standard (no leaf shutter) lenses. It also comes with the SV Power Drive Grip for motorized operation which allows the camera to remain steady in front of the eye for convenient shooting. Pack comes with 6V battery, neckstrap and lens hood. **MA0271 $2699.00**

### Mamiya 645 SVX-II Pack

This complete 6x4.5cm camera outfit from Mamiya represents the most economical entry-level path into a medium format system. The 645 SVX comes complete with the 645 Pro TL body, an 80mm f/2.8 N lens, a 15-exposure 120 film magazine, and the new SVX non-metering eye-level reflex prism finder with diopter eyepiece.
**MA0272 $1999.00**



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## COMING SOON: Autofocus Mamiya Medium Format!

### Mamiya 645AF System

Mamiya's upcoming autofocus 645 system promises to be the most advanced in the world, with active infrared technology with phase-shift detection, in order to achieve a precise focus plane even under dim ambient light. New system features include focal plane shutter speeds up to 1/4000th sec., full selection of exposure mode control, new microelectronic systems enable unprecedented interactive capabilities, and, as one would expect, the support of a superlative system of specially designed interchangeable lenses. Call for more details on this revolutionary new system!

### M645 Pro Accessories

| | | |
|---|---|---|
| Pro 120 Magazine | MA2426 | $429.95 |
| Pro 220 Magazine | MA2427 | $429.95 |
| Pro Polaroid Film Holder | MA2428 | $429.95 |
| N-2 Tripod Adapter for MA2428 | MA5031 | $84.95 |
| 120 film insert | MA2420 | $106.95 |
| 220 film insert | MA2425 | $106.95 |
| 35mm Magazine w/Panoramic | MA2429 | $569.95 |
| Pro Prism Finder | MA2330 | $529.95 |
| Pro AE Prism Finder | MA2329 | $999.95 |
| Waist Level Finder | MA5001 | $164.95 |
| Angle Finder for Prism Finders | MA5027 | $249.95 |
| Left hand Grip | MA2042 | $249.95 |
| Power Drive Grip #2 | MA50245 | $549.95 |
| Bellows Lens Hood | MA2819 | $219.95 |
| Electro-mag. Cable Rel. Adapter | MA2035 | $84.95 |

### M645 Pro Lenses

*For all 645 series bodies.*

| | | |
|---|---|---|
| 24mm f4.0 ULD Fisheye | MA1003 | $2115.00 |
| 35mm f3.5 N (77Ø) | MA1005 | $1029.00 |
| 45mm f2.8S (67Ø) | MA1010 | $839.95 |
| 50mm f4 Shift (77Ø) | MA1012 | $1399.00 |
| 55mm f2.8 N/L (67Ø) With leaf shutter. | MA1015 | $1619.00 |
| 55mm f2.8N (58Ø) | MA1013 | $665.00 |
| 80mm f2.8 N/L (67Ø) With leaf shutter. | MA1118 | $1299.00 |
| 80mm f1.9N (67Ø) | MA1110 | $665.00 |
| 80mm f2.8N (58Ø) | MA1112 | $499.95 |
| 80mm f4 Macro (67Ø) | MA1115 | $1055.00 |
| 120mm f4 Macro (67Ø) | MA1204 | $1499.00 |
| 150mm f3.8 N/L (67Ø) With Leaf Shutter | MA1218 | $1589.00 |
| 150mm f3.5N (58Ø) | MA1214 | $599.95 |
| 150mm f2.8 LD (67Ø) | MA1212 | $1469.00 |
| 200mm f2.8 APO (77Ø) | MA1219 | $2549.00 |
| 210mm f4.0N (58Ø) | MA1220 | $699.95 |
| 300mm f2.8 APO-IF With six drop-in filters. | MA1228 | $12,239.00 |
| 55-110mm f4.5N (67Ø) | MA1424 | $1829.00 |
| 105-210mm f4.5 ULD (58Ø) | MA1431 | $1699.00 |
| 300mm f 5.6 ULD (58Ø) | MA1225 | $1329.00 |
| 500mm f 5.6 (105Ø) | MA1304 | $2395.00 |
| 500mm f/5.6 Macro (105Ø) | MA1306 | $18,359.00 |
| 2X Teleconverter | MA1423 | $739.95 |
| Auto Extension Tube #1 | MA2870 | $129.95 |
| Auto Extension Tube #2 | MA2871 | $149.95 |
| Auto Extension Tube #3 | MA2872 | $159.95 |

**Macro Spacer**
For 1:1 w/80mm f/4 Macro lens only
**MA2893 $169.95**




## An Excellent, Quiet Wedding Camera

### Mamiya 7II Body

For years, serious photographers have desired a camera which produces the largest negative or transparency – yet is easily hand-holdable. They wished for superb precision quality, dreamed of world class lenses, hoped for controllable exposure automation, a really quiet shutter, a razor sharp focusing finder uncluttered by too much data, and unchallengeable accuracy in exposure. The new and improved Mamiya 7II has made their dreams come true.

New additions include multiple exposure capabilities, improved viewfinder brilliance and added convenience functions for exposure adjustments. The 7II also features a double-image superimposed rangefinder, aperture-priority autoexposure with manual override, exposure compensation ±2 EV, 10-sec. delayed self-timer, electronically-timed leaf shutter speeds from 4 sec. to 1/500 sec., X-sync at all speeds, and autoparallax-compensating bright frames in viewfinder. Includes neck strap and batteries.

7 II body (black) **MA0702 $1979.00**

7 II body (gold) **MA0703 $1979.00**

Calumet is a Full-line Dealer

| Mamiya 7 Lenses | | |
|---|---|---|
| N 43mm f4.5L (67Ø) w/optical shoe mount viewfinder | MA0710 | $2599.00 |
| N 65mm f4L (58Ø) | MA0715 | $1599.00 |
| N 80mm f4 (58Ø) | MA0705 | $1299.00 |
| N 150mm f4.5 (67Ø) | MA0720 | $1799.00 |
| Viewfinder for N 150mm lens | MA0725 | $199.95 |
| 35mm Panorama Adapter (24x65mm) | MA0730 | $219.95 |
| *Close-up Kit for 80mm lens | MA0706 | $429.95 |

**For fixed distance of 11", and magnification factor is 0.32*



## With Increased Lens Versatility

### RB67 Pro SD Body

The Pro SD is the latest and most advanced member of Mamiya's RB67 family. The RB67 Pro SD retains a good deal of the system features which made each of its predecessors so popular among professionals, such as convenient revolving back, interchangeable film backs, mechanical lens shutters which sync with flash at all shutter speeds. Includes waist level finder and matte screen. **MA0285 $1449.00**

| RB67 Pro S/SD Lenses | | |
|---|---|---|
| 37mm f/4.5 C Fisheye (40.5Ø) | MA1610 | $2689.00 |
| 50mm f/4.5 C (77Ø) | MA1615 | $1639.00 |
| KL 65mm f/4.0 (77Ø) | MA1623 | $1859.00 |
| KL 75mm f/3.5 (77Ø) | MA1624 | $1849.00 |
| KL 75mm Shift f/4.5 (77Ø) | MA1626 | $2999.00 |
| KL 90mm f/3.5 (77Ø) | MA1628 | $1599.00 |
| KL 127mm f/3.5 (77Ø) | MA1631 | $1489.00 |
| KL 140mm f/4.5 Macro (77Ø) | MA1634 | $1875.00 |
| KL 150mm f/3.5 (77Ø) | MA1639 | $1479.00 |
| 150mm f/4 C Variable Soft Focus (77Ø) | MA1640 | $1629.00 |
| KL 180mm f/4.5 (77Ø) | MA1644 | $1515.00 |
| KL 210mm f/4.5 APO (77Ø) | MA1648 | $3329.00 |
| KL 250mm f/4.5 APO (77Ø) | MA1652 | $3839.00 |
| KL 350mm f/5.6 APO (77Ø) | MA1654 | $4289.00 |
| 500mm f/8 C (105Ø) | MA1680 | $4549.00 |
| 500mm f/6 APO/L (105Ø) | MA1656 | $5999.00 |
| 100-200mm f/5.2C (77Ø) | MA1684 | $3739.00 |

| RB67 Pro SD Accessories | | |
|---|---|---|
| 120 Magazine RB/SD | MA2455 | $559.95 |
| 220 Magazine RB/SD | MA2457 | $559.95 |
| Polaroid Holder RB/SD | MA2453 | $469.95 |
| 120/220 Power Drive Magazine | MA2442 | $719.95 |
| Bellows Lens Hood Model G2 – For use with all lenses except 100-200mm zoom | MA2561 | $199.95 |
| Mirror-up Cable Release | MA2940 | $79.95 |
| KL Extension Tube #1 | MA2877 | $449.95 |
| KL Extension Tube #2 | MA2878 | $499.95 |

| RB/SD Viewfinders & Viewing Accessories | | |
|---|---|---|
| Prism Finder Model 2 | MA2318 | $849.95 |
| PD Prism Finder | MA2310 | $1199.00 |



## Medium Format with Ultrasonic AF Technology!

### Contax 645 Outfit

With this revolutionary autofocus, 6x4.5cm format, SLR camera and its superior Carl Zeiss lenses, you can spend less time focusing and more time taking pictures! This newly developed AF system offers seamless transition from autofocus to manual focus. If the focusing ring on the lens is moved during AF mode or when the focus lock is active, the camera immediately switches to MF mode. With this special AF/MF switch, you can concentrate exclusively on focusing on your subject and quickly shift focus to meet your individual compositional needs.
Other unique advantages:

- Built-in motor drive offers the fastest film advance system available in the medium format industry (2.5 frames per second).
- Real Time Vacuum system pulls the film down to the pressure plate before every exposure. (optional)
- Data Back imprinting is incorporated into both the 120 and 220 film backs to imprint f-stop, shutter speed, exposure compensation, exposure mode and lens information.
- Detachable eye-level AE Prism provides bright and even illumination over the entire screen.
- AE functions include Aperture Priority (AV), Shutter priority (TV) and Manual metering. These AE functions are also extended to use on the optional waist-level finder, since the SPD exposure sensor is located in the camera body. The AE Prism also includes spot metering, center-weighted average metering and the famous TTL Pre-Flash Metering system that was originally introduced on the Contax RTS III.
- Automatic Bracketing Control offers a choice of 0.5 or 1.0 EV selection. You can select from three bright, interchangeable focusing screens.
- Built-in diopter selector provides viewfinder diopters from -2d to +1d, and this system is extendible with use of the FM diopters found in the 35mm camera accessories.

This outfit includes 645 body, 80mm f/3.5 lens, AE Prism finder and 120/220 film back.
**CX6450 $3999.00**

Contax 645 Body **CX6451 $1915.00**

| Contax 645 Lenses | | |
|---|---|---|
| 35mm f/3.5 lens (95Ø) | CX6460 | $2299.00 |
| 45mm f/2.8 lens (72Ø) | CX6465 | $2149.00 |
| 80mm f/3.5 lens (72Ø) | CX6470 | $1495.00 |
| 120mm f/4.0 Macro lens (72Ø) | CX6485 | $2299.00 |
| 140mm f/2.8 lens (72Ø) | CX6475 | $2149.00 |
| 210mm f/4.0 lens (72Ø) | CX6480 | $2149.00 |




## The World's First Auto-focus Medium Format SLR

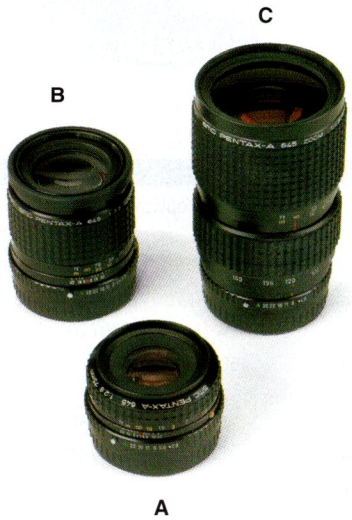
### Pentax 645N

The latest entry into the popular 645 medium format arena is also one of the most revolutionary, with autofocus in both vertical and horizontal orientations and even under extremely low light conditions such as EV-1. Choose from three focus modes: AF Single, which activates shutter only when subject is in focus, AF Servo, which lets the user release the shutter at any time and detects subject movement and "predicts" the optimum focusing point at shutter release, and Manual focus. Whether you're shooting sports, wildlife, weddings or any other action photographic situations, the 645N opens up a whole new world of medium format possibilities.

Other features include a choice of "dual six-segment," spot and center-weighted metering modes, a choice of four exposure modes including Programmed AE, Aperture-Priority AE, Shutter-Priority AE and Metered Manual, high speed motor drive advances film at 2 frames-per-second, auto-bracketing, exposure memory lock, and x-sync at 1/60 sec with standard (non-leaf shutter) lenses.

Pentax has developed five new SMC-Pentax FA autofocus lenses for the 645N, which is also compatible with existing SMC Pentax-A 645 lenses.

Pentax 645N Black Body **PX8502 $2049.95**




| Pentax Lenses for 645N | | |
|---|---|---|
| SMCP-FA 45mm f/2.8 (67Ø) | PX8503 | $809.95 |
| SMCP-FA 75mm f/2.8 (58Ø) | PX8505 | $419.95 |
| SMCP-FA 120mm f/4 Macro (67Ø) | PX8509 | $1149.95 |
| SMCP-FA 200mm f/4 ED-IF (58Ø) | PX8508 | $849.95 |
| SMCP-FA 300mm f/4 ED-IF (77Ø) | PX8506 | $3399.95 |
| SMCP-FA 400mm f/5.6 ED-IF (77Ø) | PX8507 | $2199.95 |
| SMCP-FA 45-85mm f/4.5 Zoom (77Ø) | PX8504 | $1659.95 |
| SMCP-FA 45-85mm f/4.5 (77Ø) | PX8611 | $1539.95 |
| SMCP-FA 80-160mm f/4.5 (77Ø) | PX85041 | $1549.00 |

| SMC Pentax-A 645 Lenses | | |
|---|---|---|
| 35mm f/3.5 (58Ø) | PX8510 | $839.95 |
| 45mm f/2.8 (67Ø) | PX8520 | $769.95 |
| 55mm f/2.8 (58Ø) | PX8530 | $669.95 |
| Ⓐ 75mm f/2.8 (58Ø) | PX8540 | $349.95 |
| 75mm f/2.8 Leaf shutter (58Ø) | PX8550 | $749.95 |
| 120mm f/4 Macro (67Ø) | PX8560 | $799.95 |
| 135mm f/4 Leaf shutter (67Ø) | PX8570 | $939.95 |
| Ⓑ 150mm f/3.5 (58Ø) | PX8580 | $559.95 |
| 200mm f/4 (58Ø) | PX8590 | $719.95 |
| 300mm f/4 EDIF (58Ø) | PX8600 | $3389.95 |
| 600mm f/5.6 EDIF (49Ø) | PX8605 | $5169.95 |
| Ⓒ 80-160mm f/4.5 (77Ø) | PX8610 | $1239.95 |
| 2X Converter | PX8620 | $489.95 |

| Pentax 645 Film Inserts | | |
|---|---|---|
| 120 w/case | PX8630 | $169.95 |
| 220 w/case | PX8635 | $169.95 |

| Pentax 645 Accessories | | |
|---|---|---|
| Auto Extension Tube-A No. 1 | PX8675 | $94.95 |
| Auto Extension Tube-A No. 2 | PX8680 | $114.95 |
| Auto Extension Tube-A No. 3 | PX8685 | $149.95 |
| Refconverter – 90° eyepiece for low-angle work | PX8730 | $299.95 |
| Quick Shoe Set | PX8820 | $129.95 |
| Remote Battery Pack | PX8805 | $79.95 |
| Soft Camera Casen | PX8900 | $99.95 |
| 645 Grip | PX8800 | $199.95 |
| Eyecup | PX8775 | $9.95 |
| Large Eyecup | PX8780 | $29.95 |

| Focusing Screens for 645N | | |
|---|---|---|
| Split-7 Image/Matte Screen | PX8760 | $59.95 |
| Crosslined Matte Screen | PX8765 | $59.95 |
| Split-Image/Microprism/ Matte Screen | PX8770 | $59.95 |




## Pentax 67II System

The redesigned Pentax 67II combines medium-format 6x7 capabilities with the traditional virtues of conventional SLR construction. This highly acclaimed camera, which is compatible with most existing 67-system lenses and accessories, offers greatly improved features like a built-in grip, shutter release button, wind-up lever and shutter dial. Its is also equipped with a TTL direct metering sensor inside the body to offer advanced TTL auto flash operation for speedy, accurate flash photography.

Other advances include an easy-to-use multiple exposure function, 12-second-delay electronic self-timer to delay shutter release and a natural-bright matte focusing screen which is 60% brighter than the focusing screens on the original 67. Auto shutter speeds range from 1/1000 sec. to 30 sec. stepless (auto). X Sync speed is 1/30 sec. on standard (none leaf shutter) lenses. Consider these high-precision mechanisms to enhance speedy opertaion:

- **Single-action rapid-wind lever**
  The rapid-wind lever is within easy reach of your thumb and, with a single 180° stroke, cocks the shutter and advances the film simultaneously for speedy operation.
- **Effortless film-type switching**
  Simply by shifting the film pressure plate and resetting the exposure counter, you can use either a 120 roll film (10 exposures) or a 220 roll film (20 exposures).
- **Reliable film transport mechanism**
  The Pentax 67II's film advance and take-up mechanism is the same as that of a 35mm SLR. It maintains flawless film transport and excellent film flatness for edge-to-edge image sharpness.
- **Large swing-back mirror with lock-up device**
  The Pentax 67II's large instant-return mirror offers a 100% view of the image area (with waist-level finders), yet its swing-back mechanism minimizes mirror shock.

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**Pentax 67II Body**

Comes with strap and battery (Requires finder and lens). **PX6705 $1499.95**

**Pentax 67II Prism Finders**

| | |
|---|---|
| Pentax 67II Prism Finder | **PX6952 $279.95** |
| Pentax 67II AE Prism Finder | **PX6950 $649.95** |

| Pentax 67II & 67 Lenses | | |
|---|---|---|
| 35mm f/4.5 (built-in filter) | PX6735 | $1249.95 |
| 45mm f/4.0 (82Ø) | PX6745 | $929.95 |
| 55mm f/4.0 (77Ø) | PX6755 | $959.95 |
| 75mm f/4.5 (82Ø) | PX6775 | $609.95 |
| 75mm f/4.5 PC (82Ø) | PX6776 | $2209.95 |
| 90mm f/2.8 (67Ø) | PX6790 | $629.95 |
| 100mm f/4.0 Macro (77Ø) | PX6712 | $1199.95 |
| 105mm f/2.4 (67Ø) | PX6710 | $469.95 |
| 120mm f/3.5 SF (77Ø) | PX6778 | $749.95 |
| 135mm f/4.0 (67Ø) | PX6713 | $689.95 |
| 165mm f/2.8 (67Ø) | PX6716 | $769.95 |
| 165mm f/4 Leaf (77Ø) | PX6717 | $849.95 |
| 200mm f/4.0 (77Ø) | PX6720 | $829.95 |
| 300mm f/4.0 (82Ø) | PX6730 | $1319.95 |
| 55-100mm f/4.5 Zoom (95Ø) | PX6800 | $1669.95 |
| 2X Converter | PX6820 | $669.95 |

| Pentax 67 Accessories | | |
|---|---|---|
| Folding Focusing Hood | PX6957 | $129.95 |
| Folding Hood | PX6903 | $119.95 |
| Pentaprism Finder | PX6901 | $239.95 |
| TTL Prism | PX6966 | $419.95 |

| Pentax 67II Accessories | | |
|---|---|---|
| Pentaprism Finder | PX6952 | $279.95 |
| 6 x 7 AE Prism Finder | PX6950 | $649.95 |
| Hot Shoe Grip | PX6955 | $255.95 |
| Rigid Magnifying Hood | PX6958 | $299.95 |

| Pentax 67II & 67 Accessories | | |
|---|---|---|
| Eyecup | PX6912 | $11.49 |
| Lens Hood for 90/105mm lenses | PX7403 | $67.95 |
| Lens Hood for 55mm lens | PX7401 | $67.95 |
| Lens Hood for 75mm lens | PX7402 | $67.95 |
| Lens Hood for 200mm lens | PX7405 | $67.95 |
| Focus Ring "A" (for 105, 135, 150 and 200mm lenses) | PX7205 | $34.95 |
| Focus Ring "B" (for 35, 55, 75 and 90mm lenses) | PX7206 | $34.95 |
| Auto Extension Tube Set (set of 3 for inner bayonet mount) | PX6971 | $249.95 |
| Helicoid Extension Tube | PX6972 | $169.95 |
| Auto Bellows | PX6975 | $1499.00 |
| Hand Grip w/accessory shoe | PX7204 | $119.95 |
| Camera Neck Strap | PX7208 | $32.95 |
| Remote Battery Cord | PX7207 | $49.95 |




## Fujifilm Panorama GX617 Professional

Satisfy your panoramic challenges with this innovative system camera. The GX617 gives you hand-holdable convenience and portability along with multi-lens interchangeability. The result is a truly portable panoramic camera system chosen by a multitude of commercial photographers. The body produces an awesome 56x168mm image and takes 120 (4 exp.) or 220 (8 exp.) film. The GX617 also features a space-saving vertical-opening back for quick film changes, electromagnetic shutter release and a built-in level for accurate architectural and landscape renderings. Fuji's in-lens shutters offer flash sync at all shutter speeds as well as simple multi-exposure capabilities. Finally, each lens comes with a dedicated high-magnification bright frame viewfinder to ensure precise framing. The GX617 offers a unique perspective for architectural photographers, as well as industrial, travel, editorial, annual report and stock shooters.

GX617 Camera Body **FE1052 $2699.00**

### GX617 Lenses and Accessories

| | | |
|---|---|---|
| 90mm f/5.6 EBC Fujinon SWD lens | FE1053 | $2699.00 |
| 105mm f/8 EBC Fujinon SW lens | FE1054 | $2599.00 |
| 180mm f/6.7 EBC Fujinon W lens | FE1055 | $2449.00 |
| 300mm f/8 EBC Fujinon lens | FE1056 | $2949.00 |
| GX617 Focusing Screen | FE1057 | $399.95 |
| Center Filter for 90mm lens | FE1059 | $349.95 |
| Center Filter for 105mm lens | FE1060 | $349.95 |




## Fujifilm GA645i Series Cameras

Choose from three fully automatic 6x4.5cm format cameras, each a different focal length lens. All GA645i cameras offer the conveniences of three exposure modes (Programmed AE, Aperture Priority AE and Manual), active and passive autofocusing with manual override, built-in pop-up flash with auto-brightness control, quick auto-film-loading system and film barcode system which automatically reads film type and speed and adjusts the frame counter.

### GA645Zi w/55-90mm Zoom AF Fujinon Lens

The first fully automatic zoom camera for pros. Includes titanium body with zoom viewfinder, case, lens hood and battery. **FE1018 $1949.00**

### GA645i w/60mm f/4 AF Fujinon Lens

Includes case, lens hood and battery. **FE1024 $1099.00**

### GA645Wi w/45mm f/4 AF Fujinon Lens

Includes case, lens hood and battery. **FE1021 $1259.00**

### GA645 Accessories

| | | |
|---|---|---|
| GA645 Pro Flash Bracket | FE1037 | $127.95 |
| GA645 High Power Flash | FE1038 | $249.95 |

## Fujifilm Medium Format Rangefinders

Ease into medium format with one of these practical, lightweight, manual-exposure cameras. Because of their rangefinder design, these Fuji cameras don't have the bulk or the vibration of the more expensive and cumbersome SLR systems. Their ergonomic bodies, bright viewfinder and split-image rangefinder are perfect for quick, spontaneous shooting.

Other advantages include two shutter release buttons to facilitate vertical *or* horizontal shooting, fully flash synchronized leaf shutter at all shutter speeds, and built-in hot shoe for small strobe units. Conveniences like one-touch spool loading and a built-in leveling device make it easy to shoot with confidence while on the go.

Choose from two popular rectangular medium formats: 6x7cm (2¼x2¾") and 6x9cm (2¼x3¼"). All models feature fixed focal length lenses employing renowned EBC Fujinon optics. These lenses are coated to deliver view camera sharpness with vibrant, natural colors and a full gradation of shades and hues. Each of these camera's lenses accept 67mm filters.




### GW670III Professional Camera

Ideal for those who prefer to work with 2¼x2¾" format. Features a fixed 90mm f/3.5 EBC lens, coupled rangefinder focusing from 1m to infinity, 1-1/500 sec. shutter speeds and 2-stroke advance. **FE1081 $1319.00**

### GW690III Professional Camera

This is the perfect all-purpose 2¼x3¼" camera with a fixed 90mm f/3.5 EBC lens, coupled rangefinder focusing from 1m to infinity, 1-1/500 sec. shutter speeds and 2-stroke advance. **FE1061 $1319.00**




### GSW690III Professional Camera

This 2¼x3¼" format camera is the choice among photographers who shoot expansive landscapes or work in tight spaces. Includes a fixed 65mm f/5.6 EBC lens, coupled rangefinder focusing from 1m to infinity,1-1/500 sec. shutter speeds and 2-stroke advance. **FE1071 $1339.00**

*We have a complete library of Fuji product literature. If you would like more information on these and other Fuji products, just ask your Calumet Technical Sales Representative.*

# Multi-Format Cameras With Barcode System!

## Fujifilm's GX680III & GX680IIIS Professional Series Cameras

The third generation GX680 series cameras – the GX680III and the lighter, compact GX680IIIS – introduce multi-format capabilities, multifunctional film holders, and film barcoding to this unique medium format system.

By simply changing the format mask in the film holder, the GX680III and GX680IIIS can produce four of the most commonly used medium formats from one camera: 6x8, 6x7, 6x6 and 6x4.5cm. The cameras automatically detect which format is being used and adjust the number of frames per roll accordingly. Revolving filmback feature makes switching from horizontal to vertical easy.

The reengineered film holder design also offers auto-advance to the first frame, data recording capabilities on the unused film area, a large LCD that displays critical settings and camera readiness at a glance, and fast switching from 120 to 220 film. Fuji's barcode system automatically reads film type and speed and adjusts the frame counter.

A built-in motor drive offers single, continuous and multiple exposure modes. An electronically controlled lens shutter features aperture control and stop-down levers, shutter cocking and release. An exposure monitor issues a warning when exposure settings are wrong, a frame has not been exposed or flash sync is not functioning. Runs on three 123 lithium batteries.

At the heart of the GX System is an impressive lens lineup offering complete image coverage and an unrivalled range of lens-to-film distances.

### GX680III Body

With all professional bellows movements: swings (12° left/right), tilts (12° forward/back), shift (15mm left/right), rise and fall (15/13mm). Measures appx. 7.4 x 8.7 x 8.4" Weighs: 5.9 lbs. Includes folding hood, standard bellows, finder screen and batteries. Requires lens, holder and film cassette. **FE6703 $2799.00**

### GX680IIIS Body

This lightweight, compact body, which makes it perfect for outdoor work and hand-held shooting, offers all the GX680III features but without the bellows movement functions. Measures appx. 7.4 x 8.7 x 7.4" Weighs: 5.18 lbs. Includes folding hood, standard bellows, finder screen and batteries. Requires lens, holder and film cassette.
**FE6706 $2195.00**








## GX-M Series Lenses

| | | |
|---|---|---|
| 50mm f/5.6 GX-M Lens | FE6744 | $2919.00 |
| 65mm f/5.6 GX-M Lens | FE6746 | $2269.00 |
| 80mm f5.6 GX-M Lens | FE6748 | $1799.00 |
| 100mm f/4 GX-M Lens | FE6750 | $1249.00 |
| 115mm f/3.2 GX-MD Lens | FE6752 | $1799.00 |
| 125mm f/5.6 GX-M Lens | FE6754 | $1149.00 |
| 125mm f/3.2 GX-MD Lens | FE6756 | $1769.00 |
| 135mm f/5.6 GX-M Lens | FE6758 | $1179.00 |
| 150mm f/4.5 GX-M Lens | FE6760 | $1269.00 |
| 180mm f/5.6 GX-M Lens | FE6762 | $1339.00 |
| 180mm f/3.2 GX-MD Lens | FE6764 | $1839.00 |
| 190mm f/8 Soft Focus GX-M | FE6766 | $1539.00 |
| 210mm f/5.6 GX-M Lens | FE6768 | $1319.00 |
| 250mm f/5.6 GX-M Lens | FE6770 | $1379.00 |
| 300mm f/6.3 GX-M Lens | FE6772 | $1929.00 |
| 500mm f/8.0 GX-M Lens | FE6774 | $3699.00 |

## GX680III Accessories

| | | |
|---|---|---|
| Roll Film Holder III for 6x8cm | FE6709 | $899.95 |
| Replaceable 120 Film Cassette III | FE6711 | $184.95 |
| Replaceable 220 Film Cassette III | FE6713 | $184.95 |
| 6x7cm Format Mask | FE6716 | $68.95 |
| 6x6cm Format Mask | FE6718 | $68.95 |
| 6x4.5cm Format Mask | FE6720 | $68.95 |
| 6x7cm Focusing Screen | FE6723 | $56.95 |
| 6x6cm Focusing Screen | FE6725 | $56.95 |
| 6x4.5cm Focusing Screen | FE6727 | $56.95 |
| Battery Holder III | FE6730 | $54.95 |
| Carrying Case III | FE6735 | $489.95 |
| Instant Film Holder | FE6902 | $392.00 |
| GX Adjustable Magnifier Finder | FE6936 | $364.95 |
| GX Angled Finder II | FE6940 | $529.95 |
| GX AE Finder III | FE6945 | $2229.00 |
| GX RC 1m Release III | FE6738 | $134.95 |
| GX RC 5m Release III | FE6739 | $182.95 |
| GX "W" Bellows | FE6908 | $92.95 |
| GX "L" Bellows | FE6909 | $92.95 |
| GX Bellows Lens Shade II | FE6914 | $419.95 |
| GX Double Extension Rail | FE6917 | $139.95 |
| GX Extension Rail | FE6910 | $86.95 |
| GX Extended W.A. Bellows | FE6916 | $198.95 |
| GX LF Lensboard Adapter | FE6915 | $199.95 |



## Bronica SQ-Ai 6x6 Body

Bronica's entry into 6x6cm format features OTF metering via TTL dedicated flash control, multiple-exposure function shown in finder and electronically-timed shutter speeds from 1/500 to 16 sec. Requires lens, finder and film back.
SQ-Ai body **BA0123 $1099.00**

## Bronica SQ-Ai 6x6 Kit

Includes SA-Ai body, 80mm f/2.8mm lens, SQ-i 220 Film Back and Waist Level View Finder S.
**BA0124 $2499.00**

## Bronica SQ-B 6x6 Package

This high performance, manual single lens relfex camera will accept most accessories from the SQ-Ai. The SQ-B Package includes the SQ-B Body, PS/B 80mm f/2.8 Lens, 6x6 120 SQ-B Film Back and Waist Level Finder S/B. **BA0425 $1999.00**



## Bronica ETRSi 6x4.5 System

Combines high image quality with easy handling. Features a full system of leaf shutter lenses, plus interchangeable film backs for 120, 220 and 35mm; TTL direct metering with SCA System Metz flashes, multiple exposure lever and vibration-free mirror lock-up.

### ETRSi Body

Requires lens, finder & film back.
**BA0104 $975.00**

### ERRSi Kit

Includes ETRSi body, PE 75mm f/2.8 lens, Ei 120 back and waist level finder E. **BA0106 $1599.00**

## SQ-Ai Accessories

### SQ-Ai/SQ-Am Viewfinders

| | | |
|---|---|---|
| AE Prism Finder SQ-i | BA0235 | $1209.00 |
| AE Prism Finder S (Aperture-priority and manual) | BA0236 | $989.00 |
| ME Prism Finder S (TTL manual exposure controls) | BA0234 | $875.00 |
| Waist-Level Finder S | BA0230 | $169.95 |
| Prism Finder S | BA0232 | $640.00 |

### SQ-i Motor Drive

One FPS, appx. 1200 exp. from 6 AA alkaline or NiCad batteries. For Ai body only. **BA0125 $699.95**

### SQ-i Film Backs (for all SQ Bodies)

| | | |
|---|---|---|
| Ai 120 6x6 Film Back | BA0431 | $539.95 |
| Ai 220 6x6 Film Back | BA0433 | $539.95 |
| SQ-J 120 6x4.5 | BA0434 | $539.95 |
| SQ-i 135-N (24 x 36mm) | BA0441 | $589.95 |
| SQ 135-W (24 x 54mm) | BA0440 | $589.95 |
| Polaroid Film Back SQ-i (6x6) | BA0443 | $459.95 |
| Tripod Adapter for Polaroid Back SQ | BA1272 | $169.95 |

### Zenzanon-PS Lenses

| | | |
|---|---|---|
| PS 35mm f3.5 fish eye (32.5Ø) | BA0277 | $3094.00 |
| PS 40mm f4 (95Ø) | BA0280 | $1799.00 |
| PS 50mm f3.5 (77Ø) | BA0281 | $1570.00 |
| PS 65mm f4 (67Ø) | BA0282 | $1519.00 |
| PS 80mm f2.8 (67Ø) | BA0283 | $1169.00 |
| PS 110mm f4.5 (72Ø) 1:1 Macro | BA0288 | $1504.00 |
| PS 135mm f3.5 (67Ø) | BA0287 | $1539.00 |
| PS 150mm f4 (67Ø) | BA0285 | $1659.00 |
| PS 180mm f4.5 (67Ø) | BA0290 | $1995.00 |
| PS 200mm f4.5 (67Ø) | BA0294 | $1675.00 |
| PS 250mm f5.6 (67Ø) | BA0297 | $1790.00 |
| 1.4x PS Tele-Converter | BA0380 | $944.95 |
| 2x PS Tele-Converter | BA0382 | $920.95 |

### SQ Film Inserts

| | | |
|---|---|---|
| 6x6 120 | BA2000 | $310.00 |
| 6x6 220 | BA2002 | $325.00 |
| 6x4.5 120 | BA2003 | $345.00 |

### S/PS Lens Hoods

| | | |
|---|---|---|
| For 50mm PS lens only | BA2135 | $99.95 |
| For 65mm PS/80mm S/PS lenses | BA2132 | $49.95 |
| For 105/110/150mm PS lenses | BA2134 | $49.95 |
| For 200/250mm lenses | BA2136 | $49.95 |
| Professional Lens Hood | BA2124 | $399.95 |
| 67mm Adapter Ring for Pro Lens Hood | BA2187 | $39.95 |

### Speedgrip

| | | |
|---|---|---|
| Speedgrip for all SQ bodies | BA2120 | $279.95 |

### SCA 386 Adapter

For dedicated mode operation with Metz flash units on Ai and ETRSi bodies. **BA0210 $229.95**

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## ETRS/ETRSi Accessories

### ETRS/ETRSi Viewfinders

| | | |
|---|---|---|
| AE-III Finder E | BA0207 | $998.00 |
| Prism Finder E | BA0202 | $439.95 |
| Rotary Viewfinder E | BA0204 | $529.95 |
| Waist-Level Finder E | BA0200 | $129.95 |

### Zenzanon-PE Lenses

| | | |
|---|---|---|
| PE 40mm f4 (62Ø) | BA0299 | $1315.00 |
| PE 50mm f2.8 (62Ø) | BA0301 | $1199.00 |
| PE 60mm f2.8 (62Ø) | BA0302 | $1199.00 |
| PE 75mm f2.8 (62Ø) | BA0303 | $759.95 |
| PE 30mm f3.5 fish eye (32.5Ø) | BA0298 | $2779.00 |
| PE 45-90mm f4-5.6 ASP (62Ø) | BA0320 | $1439.00 |
| PE 100mm f4 Macro (62Ø) | BA0306 | $1165.00 |
| PE 100-220mm f4.8 ASPH (95Ø) | BA0307 | $1799.00 |
| PE 105mm f4 1:1 Macro (62Ø) | BA0308 | $1294.00 |
| PE 135mm f4 (62Ø) | BA0318 | $1135.00 |
| PE 150mm f3.5 (62Ø) | BA0309 | $1199.00 |
| PE 180mm f4.5 (62Ø) | BA0305 | $1535.00 |
| PE 200mm f4.5 (62Ø) | BA0311 | $1215.00 |
| PE 250mm f5.6 (62Ø) | BA0313 | $1325.00 |

### ETRS/ETRSi Film Backs

| | | |
|---|---|---|
| Ei 120 6 x 4.5 | BA0403 | $359.95 |
| Ei 220 6 x 4.5 | BA0404 | $359.95 |
| Ei 135-N (24 x 36mm) | BA0406 | $469.95 |
| Ei 135-W (24 x 54mm) | BA0408 | $469.95 |
| Polaroid Film Back E (6x4.5) | BA0411 | $389.95 |
| Tripod Adapter for Polaroid Film Back E | BA1272 | $169.95 |

### Film Inserts

| | | |
|---|---|---|
| 6x4.5 Film insert for 120 | BA1231 | $259.95 |
| 6x4.5 Film insert for 220 | BA1233 | $259.95 |

### Lens Hoods

| | | |
|---|---|---|
| 40-50mm lenses | BA1332 | $39.95 |
| 75mm E II lenses | BA1334 | $39.95 |
| 105-250mm lenses | BA1338 | $39.95 |
| Pro Lens Hood for 40-250mm lenses | BA1320 | $399.95 |
| 62mm Lens Adapter Ring for Pro Lens Hood | BA1330 | $34.95 |

### Action Accessories

| | | |
|---|---|---|
| Speed Grip E for all ETR Series Cameras | BA1220 | $259.95 |
| Motor Winder EI-II for all ETR Series Cameras | BA1225 | $579.95 |




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## Combines 35mm with Panoramic Format

### Hasselblad XPan

A natural link between medium- and 35mm-formats, this exciting new duel-format camera from Hasselblad and Fuji Photo Film Co. is a technically advanced camera which provides all the convenience and the advantages of the 35mm format, but with the additional option to rapidly switch to a full panorama format without changing film. Unlike the "panorama effect" produced with some cameras by horizontally masking a 35mm frame, the XPan provides a full frame 24 x 65mm panorama format, ensuring that every exposure utilizes the full area of the film, thus maximizing image quality.

This easy-handling camera is both compact and rugged. Its aluminum and titanium construction is partly clad with synthetic rubber for a safe, comfortable grip. Two, specially-designed, bayonet fitting lenses – a 45mm f4 and 90mm f4 – feature unusually large image circles which make full panorama format possible.

Viewing and focusing are made quick and easy with a bright-frame viewfinder and coupled rangefinder. Film loading is automatic and convenient, with the film being withdrawn from the cassette upon insertion and transported back into the cassette as it is exposed, protecting it in case of accidental opening.

**Other notable features include:**

- Focal plane shutter: 8 to 1/1000 sec. and B
- 1 EV control on manual and 1/12 EV variations on automatic
- Exposure compensation ±2EV at ½EV step intervals
- TTL exposure meter measured at shutter supplies center-weighted average reading to provide an auto aperture-priority facility w/manual override
- Single or continuous exposure mode (3 fps with 24x36 format, 2 fps with 24x65 format)
- Auto-bracketing mode provides three consecutive exposures in ±0.5 or ±1- step intervals (order: standard, under, over)
- LCD display, located on the camera back, presents all necessary information including film speed, shutter speed, auto-bracketing, self-timer, battery status and total exposure counter
- Helicoid focusing with coupled rangefinder
- Auto DX film speed setting and manual setting

**XPan Camera**
Includes body, 45mm f4 lens and shade.
**HA0036 $1995.00**

| | | |
|---|---|---|
| XPan body only | HA0035 | $1629.00 |
| 45mm f4 lens | HA0045 | $479.95 |
| 90mm f4 lens | HA0047 | $592.95 |
| Lens Shade | HA0039 | $59.95 |

### Contax G2

This new genre of a camera system offers you the perfect combination of point-and-shoot convenience with full-system rangefinder sophistication. The G2 is the only interchangeable lens, electronic AF 35mm rangefinder camera. This camera system offers unobtrusive maneuverability and quick operation with complete exposure and focus automation as well as creative manual override controls.

This latest G-series body has combined active and passive autofocusing that operates simultaneously with improved speed and accuracy. You can choose between convenient aperture priority or manual exposure control. Light metering is achieved with a center-weighted average metering system.

Other notable features include

- Shutter speeds up to 1/6000 sec. on auto (1/4000 sec. on manual)
- Continuous film advance up to 4 fps
- Flash sync to 1/200 sec.
- Real-image viewfinder automatically matches all lenses from 28 to 90mm with auto-parallax compensation

Contax G2 body **CX1102 $1569.00**

**Contax G2 Camera Package**
With 45mm f/2.0 G-Planar T*lens.
**CX1102K $1569.00**

### Carl Zeiss T* Lenses for G2

Adding further appeal to this benchmark system is a choice of six Carl Zeiss lenses. These legendary optics render your subjects with expressive power, superb delineation and subtle tonality.

| | | |
|---|---|---|
| 16mm f/8 G-Hologon T* w/finder | CX1116 | $2650.00 |
| 21mm f/2.8 G-Biogon T* w/finder | CX1121 | $1199.00 |
| 28mm f/2.8 G-Biogon T* | CX1128 | $520.00 |
| 35mm f/2.0 G-Planar T* | CX1135 | $469.00 |
| 45mm f/2.0 G-Planar T* | CX1145 | $339.00 |
| 90mm f/2.8 G-Sonnar T* | CX1190 | $520.00 |

*A full selection of filters are available for the above lenses. Please call for details.*

**G2 Accessories**

| | | |
|---|---|---|
| TLA-140 Dedicated Flash | CX1200 | $169.95 |
| TLA-200 Dedicated Flash | CX1202 | $299.00 |
| GD-2 Databack | CX1206 | $599.00 |




*Cambo Wide 470 with 47mm XL f/5.6 Super Angulon lens shown with optional Optical Viewfinder and CBH-5 Ball Head.*

## The Cambo Wide System

This uniquely portable, multi-format camera system is perfect for anyone shooting architectural exteriors and interiors, cityscapes and even panoramic landscapes. When you consider the Cambo Wide's rugged compactness, ease of operation, sheet and roll film flexibility and use of high quality Schneider optics, you understand its popularity with creative commercial shooters.

### Wide Body

At the center of the system is an incredibly compact and portable 4x5 camera body which accepts all Wide system lenses, sheet film holders, roll film backs, and viewing accessories. A built-in hand grip makes transport easy and hand-held exposures possible.

### Wide Range of Lenses

Choose from seven different focal length lenses, each with its own coverage characteristics, from the ultra-wide 47mm to the ultra-compact and economical 100mm. Each lens comes mounted to a special panel which provides lateral or vertical shift controls and helical focusing with meter and foot scales to facilitate focusing.

### Wide Film Formats

Technically a 4x5 format camera, the Wide is also highly regarded for its medium format, 120/220 roll film options, including 6x7, 6x9 or 6x12cm panoramic. The camera also accepts all Polaroid 4x5 film holders for convenient proofing.

### Wide Image Placement

Its helical focusing with built-in distance scale makes it possible to guess focus or you can check it on the ground glass for critical situations. A gear-driven shift mechanism allows you to apply rise/fall or lateral shift movements for vertical or horizontal image placement controls.

### Wide Viewing Options

In addition to the noted conveniences of helical focusing, the basic Wide provides for precision ground glass viewing and focusing. When outfitted with optional Optical Viewfinder, the Wide offers quick, spontaneous composing possibilities. And finally, for extra viewing convenience, the accessory Reflex Viewing Hood inverts the ground glass image to right-side-up.

1 year Warranty

## Cambo Wide Camera Packages

Packages come with Cambo Wide body, 4x5 ground glass back, cable release, lens and lens panel.

NEW **Cambo Wide 350 w/35mm f/4.5 Apo Grandagon**
With ±20mm shifts.
**CB0809K $3395.00**

**Cambo Wide 470 w/47mm XL f/5.6 Super Angulon**
Coverage up through 4x5" with ±15mm shifts. **CB0810K $3195.00**

**Cambo Wide 580 w/58mm XL f/5.6 Super Angulon**
Coverage up through 4x5" with ±7mm shifts.**CB0815K $2895.00**

**Cambo Wide 650 w/65mm f/5.6 Super Angulon**
Coverage up through 4x5" with ±15mm shifts. **CB0811K $2795.00**

**Cambo Wide 720 w/72mm XL f/5.6 Super Angulon**
Coverage up through 4x5" with ±5.5mm shifts. **CB0817K $3559.00**

**Cambo Wide 750 w/75mm f/5.6 Super Angulon**
Coverage up through 4x5" with ±15mm shifts. **CB0814K $3195.00**

**Cambo Wide 900 w/90mm f/8.0 Super Angulon**
Coverage up through 4x5" with ±7mm shifts. **CB0813K $2795.00**

**Cambo Wide 1500 w/150mm f/5.6 Apo Symmar**
Coverage up through 4x5" with no shifts. **CB0816K $2295.00**



### Calumet C2N 120/220 Slide-in Roll Film Holders

NEW C2N 6x4.5cm Roll Film Holder
**CB5515 $449.95**
C2N 6x7cm Roll Film Holder
**CB5500 $449.95**
C2N 6x9cm Roll Film Holder
**CB5510 $449.95**

### Cambo Reflex Viewing Hood

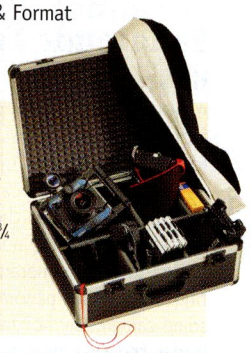
Features a right angle monocular eyepiece with 2.5X magnifier which rotates 360° to view at any height. Mounts quickly to camera back.
**CB0220 $329.95**

**Spirit Level Shoe Mount**
**CB1020 $24.95**

### Cambo Optical Viewfinder

Features built-in spirit level which can be read directly or while looking through viewfinder. Attaches to body with shoe mount bracket. Optional masks for wide range of formats and lenses available. **CB0821 $399.95**

**Masks for Optical Viewfinder**
Available individually for 6x7, 6x9, 6x12cm and 4x5 formats for 58, 65, 75 and 90mm lenses. Specify Lens & Format
**$49.99**



### Cambo Wide Case

With custom-fit interior. 15½ (h) x 18¾ (w) x 15"(d) O.D. **CB0807 $259.95**

### Individual Lens Panels

| | | |
|---|---|---|
| NEW 35mm f/4.5 Apo Grandagon Lens Panel | CB0809 | $2995.00 |
| 47mm XL f/5.6 Super Angulon Lens Panel | CB0810 | $2895.00 |
| 58mm f/5.6 Super Angulon Lens Panel | CB0815 | $2795.00 |
| 65mm f/5.6 Super Angulon Lens Panel | CB0811 | $2595.00 |
| NEW 72mm XL f/5.6 Super Angulon Lens Panel | CB0817 | $3359.00 |
| 75mm f/5.6 Super Angulon Lens Panel | CB0814 | $2995.00 |
| 90mm f/8.0 Super Angulon Lens Panel | CB0813 | $2595.00 |
| 100mm f/5.6 Apo Symmar Lens Panel | CB0812 | $1895.00 |
| 150mm f/5.6 Apo Symmar Lens Panel | CB0816 | $2095.00 |
| Center Filter for 47mmXL | SC8006 | $389.95 |
| Center Filter for 58mmXL | SC8005 | $399.95 |
| Center Filter for 65 and 90mmXL | SC8002 | $369.95 |
| Center Filter for 72mm XL | SC8007 | $529.95 |



## Horseman SW612 Super Wide

This super-compact, super-wide medium format camera produces images up to 6x12cm format for dramatic panoramic effects. The SW612 is extremely hand-holdable, with its ergonomic, rubberized body design and built-in spirit level which is visible through the Optical Viewfinder. Unique to the SW612 are its interchangeable lenses and roll film backs. Each Rodenstock lens is mounted into its own shutter and helical focusing mount.

### SW612 Super Wide Kits – Save 10%

Kits include SW612 body with specified lens & back:

| | | |
|---|---|---|
| 45mm f/4.5 lens & 6x7 back | HR1633K | $3350.00 |
| 45mm f/4.5 lens & 6x9 back | HR1623K | $3295.00 |
| 45mm f/4.5 lens & 6x12 back | HR1613K | $3650.00 |
| 55mm f/4.5 lens & 6x7 back | HR1634K | $3679.00 |
| 55mm f/4.5 lens & 6x9 back | HR1624K | $3650.00 |
| 55mm f/4.5 lens & 6x12 back | HR1614K | $3975.00 |
| 65mm f/4.5 lens & 6x7 back | HR1635K | $4225.00 |
| 65mm f/4.5 lens & 6x9 back | HR1625K | $4175.00 |
| 65mm f/4.5 lens & 6x12 back | HR1615K | $4550.00 |

### Super Wide Angle Viewfinder

This 5-element viewfinder covers a maximum viewing angle of 105°. Interchangeable masks match it to different focal length lenses.
**HR1511 $495.00**

### Film Holders

In addition to the super wide view 6x12cm format, less extreme wide angle formats are covered by the easily interchangeable 6x9 and 6x7cm film holders.

| | | |
|---|---|---|
| SW Roll Film Holder 6x9 | HR2455 | $657.95 |
| SW Roll Film Holder 6x7 | HR2456 | $657.95 |
| SW Roll Film Holder 6x12 | HR2463 | $826.95 |

### Optional Ground Glass Frame

For the most accurate framing and focusing, a ground glass can be attached as an optional accessory. **HR1461 $194.95**

Replacement Ground Glass **HR14615 $44.95**

### Accessories for SW 612

| | | |
|---|---|---|
| SW Lens 35mm panel | HR1362 | $2749.00 |
| SW Lens 45mm panel | HR1363 | $2569.00 |
| SW Lens 55mm panel | HR1364 | $2659.00 |
| SW Lens 65mm panel | HR1365 | $2849.00 |
| SW 612 Camera body & Finder | HR1411 | $1549.00 |
| Lens Guard | HR1462 | $189.95 |
| Neck Strap | HR1471 | $29.95 |
| Replacement Battery 6.2 volts | HR2400 | $23.95 |

## Noblex Rotating Lens Panoramic Cameras

These well crafted cameras from Germany not only provide genuine panoramic images, but do so in a unique and creatively challenging manner. Noblex cameras utilize the principle of scanning an exposure of the picture through a rotating lens with a constant shutter slit on a curved film plane.

### Ⓐ Noblex Pro 06/150E

This medium format, 120 roll film panoramic camera produces 6 - 50 x 120mm (2 x 4.8") images per roll with a 146° angle of view. Features a fixed focus 50mm f/4.5 lens and shutter speeds from 1/30 to 1/250 sec. Requires four AA batteries.
**NX1202 $2495.00**

### Noblex Pro 06/150UX

Same as the Pro 06/150 with 5mm lens shift and a super slow motor module for extended speeds from 1/250 to 2 seconds. Features a 5-element 50mm f/4.5 T lens. Requires four AA batteries.
**NX1208 $4549.00**

### Ⓑ Noblex 135 U

This most portable – and hand-holdable – Noblex produces 19 - 24 x 66mm images with a 136° angle of view on a standard 36-exposure roll of 35mm film. Its shutter speeds range from 1/500 to 1 second. It also features a 4mm lens shift which extends your composition possibilities. Turn the camera upside down and the shift can be used as a fall movement. Features a fixed-focus 29mm f/4.5 Noblar T lens which produces sharp images from one meter to infinity at f/16. Requires four AAA batteries. **NX1355 $1949.00**

### Noblex 135 ProSport

This economical entry into 35mm panoramic photography features a 29mm f/4.5 Noblar T lens and shutter speeds of 1/500 to 1/30 sec. Requires four AAA batteries. **NX1345 $999.95**

### Noblex VR3 Head

Designed to create seamless 360° exposures with VR-Stitching software from three Noblex camera exposures. Provides 3 indented click stops: 0°, 120° and 240°, with other rotation angles easily adjusted at 15° intervals. A locking screw insures rock steady alignment with the VR-3 on the nodal points on all Noblex cameras. **NX1400 $272.95**

### Panolux Exposure Control Modules

Works as a measuring and controlling mechanism for normal exposures and gives an accurate measurement of the light source intensity, automatically determining the proper contrast balance to regulate the exposure.
For 150 and 175 models **NX1356 $899.95**
For 135U model **NX1206 $799.95**

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A




B




| Filters for 150/175 Models | | |
|---|---|---|
| Haze Filter | NX1210 | $41.95 |
| Sky 1A Filter | NX1215 | $41.95 |
| Yellow/Green Filter | NX1211 | $41.95 |
| Yellow K-2 Filter | NX1212 | $41.95 |
| Orange Filter | NX1213 | $41.95 |
| Red Filter | NX1214 | $41.95 |
| N.D. 4x Filter | NX1217 | $41.95 |
| N.D. 8x Filter | NX1218 | $41.95 |
| Close-up #1 Filter | NX1290 | $123.95 |
| Close-up #2 Filter | NX1291 | $123.95 |

| Filters for 135 Models | | |
|---|---|---|
| Haze Filter | NX1330 | $41.95 |
| Sky 1A Filter | NX1335 | $41.95 |
| Yellow K-2 Filter | NX1332 | $41.95 |
| Orange Filter | NX1333 | $41.95 |
| Red Filter | NX1334 | $41.95 |
| N.D. 4x Filter | NX1337 | $41.95 |
| N.D. 8x Filter | NX1338 | $41.95 |

*Calumet carries the entire line of Noblex products and accessories!*




## Nikon N90s

One of the most technically advanced electronic-controlled, multi-featured autofocus cameras made today, and yet it is extremely easy to use. The N90s provides fast tracking autofocusing at all motorized film advance speeds. With spot autofocus, you can focus on a single person in a group while the wide area AF allows you to loosen up your composition. The N90s also features three metering modes: spot, center-weighted and 3D Matrix for automatic calculations. Its top focus-tracking speed is 4 fps and offers 1/3-stop changes in S and M mode shutter-speed settings, it provides frame number info in the viewfinder and it can be connected to a personal computer with Nikon's Dataview 2.0 software. Includes 1-year Nikon warranty. Nikon N90s body **NT1015 $799.95**

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## Nikon N70

The N70 makes advanced photographic operations a piece of cake. Just see the picture, compose naturally, and Nikon's cross-type focus detection system, with its wide-area sensor will help you create great pictures. The N70 provides a choice of three metering systems: 3D Matrix, Center-Weighted and Spot metering. The N70's built-in Speedlight offers Nikon's exclusive 3D Multi-Sensor Balanced Fill-Flash that will help you realize your vision. **NT1017 $459.95**

New AT CALUMET




## NEW! Nikon F100

The lightweight, yet rugged F100 includes a new 10-segment 3D Matrix Meter, Center-Weighted Meter and five Spot Meter areas with each spot measuring 1% of the picture area. The F100's precise, responsive Dynamic Autofocus is so fast that images literally pop into focus.

The F100 includes Nikon's Automatic Balanced Fill-Flash System which is uncanny at showing up that touch of extra light for more perfect exposures. For extra dependability, the chassis, top, bottom and front covers, and selected parts are constructed of durable magnesium alloy metal. The grip and body surfaces are covered with a very grippable textured rubber. **NT1011 $1299.00**

Nikon Advanced Systems Dealer




## Nikon F5

This high performance 35mm SLR is marked by speed, reliability and intelligence. Exposures are controlled by the world's first 3D Color Matrix Metering that senses scene brightness, contrast, selected focus area, distance and scene colors. Its flexible center-weighted meter lets you custom control the size of the sensing area from 8mm to 20mm diameter and a choice of five spot metering areas that can actually follow a moving subject. The five-segment TTL Multi-sensor precisely monitors flash output.

It also features a top operating speed of 8 focused frames-per-second (with optional MN-30 Battery Pack), 1/8000 sec. shutter speeds, and auto-rewinding of a 36-exposure roll of film in 4 sec.

The F5 also provides the world's first self-diagnostic double-bladed shutter, vibration-minimizing mechanisms like a mirror balancer, built-in auto-bracketing, interchangeable focusing screens and finders, a die-cast aluminum body covered with an easy-to-grip covering and a lightweight titanium viewfinder housing with improved resistance to moisture and dust. And, finally, in true Nikon tradition, the F5 will accept nearly all original F-mount lenses as well as all of the latest AF-I, AF-S and D type AF lenses. Includes 3-year Nikon warranty. Nikon F5 body **NT1035 $2399.00**

### F5 Accessories

MN-30 Battery Pack
**NT3085 $149.95**

MH-30 Battery Charger
**NT3086 $329.95**




## Nikon FM10 SLR Camera Outfit

Nikon's new FM10 manual single lens reflex camera offers extraordinary flexibility and the ultimate way to build confidence in 35mm photography. With the FM10, you can select your aperture and shutter speed (from 1/2000 to one second) and use manual film advance and rewind. The center-weighted light meter has an easy-to-use built-in LED display for great exposures. Focus manually and preview depth of field to see the sharpness, brightness and image quality. Outfit includes a 1-year warranty, 35-70mm f/3.5-4.8 zoom Nikkor lens, case, strap and batteries. **NT1010 $279.95**

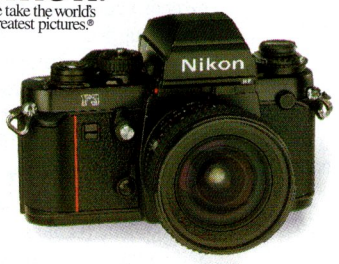



## Nikon FM2N

Whether you're looking for a dependable manual backup camera for your Nikon system, or you're just one of those photographers who appreciate good, basic, mechanical operation, the FM2N is a smart choice. It features mechanical shutter speeds up to 1/4000 sec. and a flash sync speed of 1/250 sec. The FM2N also has a multiple-exposure lever, interchangeable focusing screen, self-timer and full information viewfinder. Includes 1-year Nikon warranty. Meter requires 2 MS76 batteries.

FM2 body (black) **NT1030 $599.95**
FM2 body (chrome) **NT1025 $579.95**

Nikon
We take the world's greatest pictures.®




## Nikon F3HP

This classic Nikon with its high-eyepoint finder and manual focusing, is sturdy and lightweight with electronic exposure capabilities. Operates in manual or aperture-priority AE with manual override. Shows virtually 100% of the image that will be recorded on film with or without glasses from up to an inch away. Easy-to-read LCD shows shutter speeds from 1/2000 to 8 full seconds. Accepts a choice of five finders, 22 focusing screens and four camera backs. Includes 1-year Nikon warranty.

Nikon F3HP body **NT1000 $1595.00**

## Now with a 5-Year U.S.A. Warranty

### Nikkor Lenses

Behind every lens is a history of Nikon quality and innovation that has consistently set new standards of excellence. Nikon's most remarkable innovation may be its consistent use of the Nikon F lens mount which makes your camera compatible with literally hundreds of Nikkor lenses.

Even when you're using the most powerful Nikkor super-telephoto lens, your pictures will be clear and sharp, with excellent color rendition. That's because many Nikkor telephoto and super-telephoto lenses are made with ED glass, a Nikon innovation that virtually eliminates the "color fringing" common with regular lens glass in longer focal lengths.



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## Autofocus Lenses

| | | |
|---|---|---|
| 16mm f/2.8 D AF Fisheye (39BØ) | NT21085 | $789.95 |
| 18mm f/2.8 D AF (77Ø) | NT21087 | $1359.00 |
| 20mm f/2.8 D AF (62Ø) | NT2110 | $479.95 |
| HB-4 Hood | NT3215 | $24.49 |
| 24mm f/2.8 D AF (52Ø) | NT21115 | $319.95 |
| HN-1 Hood | NT2312 | $24.49 |
| 28mm f/1.4 D AF (72Ø) | NT21125 | $1669.00 |
| HK-7 Hood | NT2394 | $57.95 |
| 28mm f/2.8 D AF (52Ø) | NT21126 | $239.95 |
| HN-2 Hood | NT2301 | $24.49 |
| 35mm f/2.0 D (52Ø AF) | NT2114 | $309.95 |
| HN-3 Hood | NT2314 | $24.49 |
| 50mm f/1.8 AF (52Ø) | NT2116 | $99.95 |
| HR-2 Hood | NT2320 | $17.49 |
| 50mm f/1.4 D AF (52Ø) | NT21155 | $269.95 |
| HR-2 Hood | NT2320 | $17.49 |
| 60mm f/2.8 D Micro AF (62Ø) | NT2028 | $389.95 |
| HN-22 Hood | NT2321 | $27.95 |
| 85mm f/1.4 D AF (77Ø) | NT2117 | $1029.00 |
| HN-31 Hood | NT2307 | $49.95 |
| 85mm f/1.8 D AF (62Ø)* | NT2119 | $389.95 |
| 105mm f/2 D AF DC (72Ø)* | NT21185 | $929.95 |
| 105mm f/2.8 D Micro AF (52Ø) | NT2123 | $659.95 |
| HS-7 Hood | NT2318 | $34.95 |
| 135mm f/2.0 D DC AF (72Ø)* | NT21325 | $1099.00 |
| 180mm f/2.8 ED-IF D AF (72Ø)* | NT2124 | $759.95 |
| 300mm f/2.8D ED-IF AF-S (39Ø)* | NT2143 | CALL |
| 500mm f/4 D ED-IF AF S (39Ø) | NT2145 | CALL |
| 600mm f/4.0D ED-IF AF-S (39Ø)* | NT2146 | CALL |
| 20-35mm f/2.8 D IF AF (77Ø) | NT21195 | $1699.00 |
| 24-50mm f/3.5-4.5 D AF (62Ø) | NT2136 | $369.95 |
| HB-3 Hood | NT2372 | $24.49 |
| 24-120mm f/3.5-5.6 D AF (72Ø) | NT2120 | $529.95 |
| HB-11 Hood | NT2385 | $14.95 |
| 28-80mm f/3.5-5.6 D AF (58Ø) | NT21215 | $179.95 |
| HB-10 Hood | NT2377 | $24.49 |
| 28-70mm f/2.8D AF S ED-IF (77Ø) includes Hood | NT21205 | $1499.00 |
| 28-70mm f/3.5-4.5D AF (52Ø) | NT2121 | $329.95 |
| HB-6 Hood | NT2376 | $24.49 |
| 28-85mm f/3.5-4.5 AF (62Ø) | NT2122 | $469.95 |
| HB-1 Hood | NT2370 | $24.49 |
| 28-105mm f/3.5-4.5D IF AF (62Ø) | NT2138 | $359.95 |
| HB-1 Hood | NT2370 | $24.49 |
| 28-200mm f/3.5-5.6D IF AF (72Ø)* | NT21225 | $559.95 |
| 35-80mm f/4.0-5.6 D AF (52Ø) | NT2127 | $109.95 |
| 35-70mm f/2.8D AF (62Ø) | NT2125 | $689.95 |
| HB-1 Hood | NT2370 | $24.49 |
| 35-105mm f/3.5-4.5 D AF-IF (52Ø) | NT2130 | $329.95 |
| HB-5 Hood | NT2375 | $24.49 |
| 35-135mm f/3.5-4.5 AF (62Ø) | NT2128 | $529.95 |
| HB-1 Hood | NT2370 | $24.49 |
| 70-180mm f/4.5-5.6 D AF ED Micro (62Ø) | NT21285 | $1049.00 |
| HB-1 Hood | NT2370 | $24.49 |
| 70-210mm f/4.0-5.6 D AF (62Ø) | NT2129 | $319.95 |
| HN-24 Hood | NT2317 | $27.95 |
| 70-300mm f/4-5.6D ED AF (62Ø) includes HB-15 Hood | NT2141 | $329.95 |
| 80-200mm f/2.8D AF IF ED (77Ø) | NT2150 | $1595.95 |
| HB-7 Hood | NT2379 | $29.95 |
| 80-200mm f/4.5-5.6D AF (52Ø) | NT21345 | $179.95 |
| HR-1 Hood | NT2333 | $14.95 |
| AF Teleconverter (1.4x) | NT20915 | $549.95 |
| AF Teleconverter (2x) | NT20935 | $599.95 |

* *Includes lens hood.*

## Manual Focus Lenses

| | | |
|---|---|---|
| 18mm f/3.5 (72Ø)* | NT2010 | $1279.00 |
| 24mm f/2.0 (52Ø) | NT2014 | $769.95 |
| HK-2 Hood | NT2334 | $34.95 |
| 28mm f/2.0 (52Ø) | NT2016 | $679.95 |
| HN-1 Hood | NT2312 | $24.49 |
| 28mm f/3.5 PC (72Ø) | NT2022 | $1229.00 |
| HN-9 Hood | NT2302 | $27.95 |
| 35mm f/1.4 (52Ø) | NT2018 | $859.95 |
| HN-3 Hood | NT2314 | $24.49 |
| 35mm f/2.8 PC (52Ø) | NT2020 | $799.95 |
| HN-1 Hood | NT2312 | $24.49 |
| 70-210mm f/4.5-5.6 Zoom | NT2061 | $149.95 |
| 50mm f/1.2 (52Ø) | NT2024 | $529.95 |
| HS-12 Hood | NT2316 | $34.95 |
| 85mm f/1.4 (72Ø)* | NT2034 | $949.95 |
| 105mm f/1.8 (62Ø)* | NT2078 | $799.95 |
| 105mm f/2.5 (52Ø)* | NT2079 | $399.95 |
| 135mm f/2.8 (52Ø)* | NT2035 | $399.95 |
| 200mm f/2.0 ED (39Ø)* | NT2038 | $4799.00 |
| 200mm f/4 Micro (52Ø)* | NT2070 | $929.95 |
| 400mm f/3.5 ED-IF (39Ø)* | NT2048 | $4899.00 |
| 500mm f/4.0 ED-IF (39Ø)* | NT2052 | $5199.00 |
| 500mm f/8.0 (39Ø)* | NT2053 | $849.95 |
| 600mm f/5.6 ED-IF (39Ø)* | NT2056 | $4995.00 |
| 800mm f/5.6 ED-IF (52Ø)* | NT2058 | $6349.00 |
| 35-200mm f/3.5-4.5 (62Ø) | NT2060 | $989.95 |
| HK-15 Hood | NT2348 | $48.95 |
| TC-14B Tele-converter (1.4X over 300mm) | NT2090 | $679.95 |
| TC-201 Tele-converter (2X) | NT2093 | $329.95 |
| TC-301 Tele-converter (2X) | NT2092 | $679.95 |

* *Includes lens hood.*



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A

### Ⓐ Nikon SB-28 Speedlight

The superb performance of this flash is best revealed when it's used with Nikon's advanced TTL flash control system on such cameras as the Nikon F5, N90s, N70, N6006, N50 and Pronea 6i. The SB-28 can also be used with virtually every other Nikon SLR, providing performance consistent with each SLR camera's features. In addition to TTL Auto Flash operation the SB-28 also provides Manual flash operation, non-TTL A-Mode and Repeating Flash Mode. The SB-28 weighs only 11.8 oz., with dimensions of 2.7 x 5 x 3.6". **NT2610 $329.95**

Nikon SB-27 Speedlight **NT2609 $269.95**

### TTL Cords

SC-17 TTL Remote Cord **NT2565 $79.95**

SC-18 TTL Multi Flash Cord **NT2555 $39.95**

SC-19 TTL Multi Flash Cord **NT2563 $49.95**

AS-10 TTL Multi Flash Adapter **NT25535 $49.95**

### SU-4 Remote TTL Flash Controller

For true wireless TTL control with most Nikon speedlights. Up to 23' in TTL AUTO mode. **NT2570 $89.95**

### Multi-Control Backs

Nikon Multi-Control Backs allow you to shoot time-exposures up to 100 hours, automatically bracket exposures, shoot at set time intervals for time-lapse sequences, release shutter the moment subject enters in-focus position, imprint shutter speed, aperture, date, time, frame number, serial upcount number and fixed number.

**Multi-Function Back MF-28**
For F5 **NT1105 $569.00**

**Multi-Function Back MF-29**
For F100 **NT3224 $159.95**

**Multi-Control Back MF-26**
For N90 **NT1102 $259.95**

### Data Backs

A compact alternative to Multi-Control Backs, Nikon Data Backs imprint time and date information.

**Data Back MF-14 for F3**

Imprints year, month, day, hour minutes, seconds or reference numbers to 2000 between frames. **NT3200 $249.95**

**Data Back MF-18 for F3**

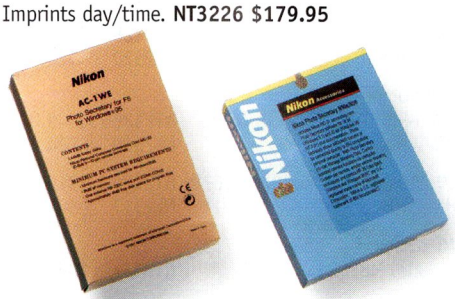
Same features as the MF-14 with the addition of providing auto film stop with the optional Motor Drive MD-4. **NT3202 $399.95**

**Data Back MF-25 for N90 Series**

Quartz-controlled timing imprints date and time throughout the world. **NT1101 $129.95**

**Data Back MF-27 for F5**

Imprints day/time. **NT3226 $179.95**




### Photo Secretary Software

This unique software package personalizes your N90s or F5's operation and add versatile performance to your picture taking and image management.

Photo Secretary for F100 **NT1160 $159.95**

Photo Secretary for F5 **NT1170 $269.95**

Photo Secretary for N90s **NT1155 $189.95**

## General Accessories

### Focusing Screens

Calumet carries focusing screens for the F5, F4, N90s, and F3. Call for detailed information and pricing.

### Close-Up Equipment

| | | |
|---|---|---|
| PB-6 Bellows Focusing Unit | NT7900 | $399.95 |
| PB-6E Ext. Bellows for PB-6 | NT7906 | $259.95 |
| PB-6D Bellows-to-rail Spacer for PB-6 | NT7916 | $79.95 |
| PS-6 Slide Copy Attachment for PB-6 | NT7902 | $249.95 |
| AR-7 Double Cable Release, ISO tip | NT3099 | $69.95 |
| AR-10 Double Cable Release, MD Terminal | NT7918 | $99.95 |
| BR-2A Lens Reverse Ring (52mm) | NT3518 | $34.95 |
| BR-3 Reversed Lens Filter Ring (52mm) | NT3519 | $37.95 |
| BR-5 Lens Reverse Ring (62mm) | NT3524 | $34.95 |
| PG-2 Fine Focusing Stage | NT3528 | $249.95 |
| PK-11A Auto Ext. Tube AI (8mm) | NT3520 | $79.95 |
| PK-12 Auto Ext. Tube AI (14mm) | NT3525 | $84.95 |
| PK-13 Auto Ext. Tube AI (27.5mm) | NT3521 | $89.95 |

### Viewfinders

| | | |
|---|---|---|
| DA-30 AE Action-finder for F5 | NT3160 | $449.95 |
| DW-30 Waist Level Finder for F5 | NT3162 | $249.95 |
| DW-31 High Magnification Finder for F5 | NT3163 | $429.95 |
| DA-2 Action-finder for F3 | NT3106 | $549.95 |
| DW-4 6X Finder for F3 | NT3104 | $349.95 |

### Miscellaneous Accessories

| | | |
|---|---|---|
| DB-6 N90 External Battery Pack | NT25926 | $299.95 |
| MC-29 External Power Cord Connects N-90 to DB-6 | NT3048 | $89.95 |
| AN-4B Black Neck Strap | NT3404 | $19.95 |
| AF-1 52mm Gel Holder | NT9416 | $59.95 |
| AR-3 Cable Release, ISO tip | NT3604 | $19.95 |
| AR-9 Soft Shutter Rel. ISO tip | NT3616 | $6.95 |
| AH-4 SLR Leather Hand Grip | NT3410 | $69.95 |
| AS-15 Hot Shoe to PC Adapter | NT2591 | $19.95 |
| 52mm Soft Focus Filter #1 | NT9849 | $79.95 |
| 52mm Soft Focus Filter #2 | NT9850 | $79.95 |
| 62mm Soft Focus Filter #1 | NT9869 | $119.95 |
| 62mm Soft Focus Filter #2 | NT9870 | $119.95 |
| 52mm Circular Polarizer | NT9890 | $99.95 |
| 62mm Circular Polarizer | NT9892 | $129.95 |

*Call for all 52, 62, 72, 77 filters.*

## Motor Drives and Accessories

| | | |
|---|---|---|
| MB-10 Vertical Grip for N90s | NT3460 | $169.95 |
| MD-12 Motor Drive for FM, FE and FA | NT3002 | $399.95 |
| MD-4 Motor Drive for F3 | NT3000 | $499.95 |
| MN-2 NiCad Battery for MD-4 (F3) | NT3010 | $189.95 |
| MH-2 Quick Charger for MN-2 (F-3) | NT3012 | $219.95 |
| ML-3 Compact Modulite Set for N90 | NT3408 | $199.95 |
| Remote Control Set for N90 | NT3408 | $199.95 |
| MR-3 Remote Socket Shutter Release | NT3076 | $49.95 |
| MC-12B 10' Remote Cord | NT3513 | $59.95 |
| MC-20 Remote Motor Trigger Cord with Timer for N90. Requires battery. | NT3040 | $129.95 |




*Canon EOS 3*

## The World's First 45-Point Area AF System

### NEW Canon EOS-3

With 45-Point Area AF, faster eye-controlled focus, a new optional Power Drive booster, evaluative and wireless Speedlite control, the new EOS-3 makes it faster and easier to capture a subject, pose, or decisive moment in sharp focus. The large AF coverage makes it easy to focus off-center subjects by just looking at the subject anywhere within the Area AF ellipse. The built-in motor drive enables shooting at approximately 4.3 frames per second. With the optional Power Drive Booster PB-E2 and Ni-MH Pack NP-E2, the maximum continuous shooting speed is an exceptional 7 f.p.s.

Other features include a new 21-zone evaluative metering sensor that works together with 45-Point Area AF to deliver an unprecedented degree of exposure control precision. Finally, the EOS-3's 32-bit microcomputer executes high-speed processing which is passed on to the Canon USM (Ultrasonic Motor) lens to attain the fastest possible response.
**CA4003 $1399.00**

**NEW** Power Drive Booster PB-E2
**CA4203 $449.95**




*Canon EOS Elan II Kit with 28-80mm Lens*

### EOS Elan II

A throwback to the style of the original SLR cameras with the latest advances in electronic technology, the Elan II is comfortable to handle, easy to operate and a solid performer. Dials and controls are at your fingertips, and all critical information is displayed inside the viewfinder, so you never have to look away from your composition to verify or adjust camera settings.

Top features include 3-point AF linked to multi-zone metering for available light and flash, 6-zone evaluative metering, choice of 10 exposure modes, including scale-metered manual, E-TTL evaluative flash metering (with optional Speedlight 380EX), choice of 2.5 fps continuous or single frame shooting, and 11 custom functions, including mirror lock and depth-of-field preview. A built-in retractable flash provides TTL flash control.

EOS Elan II Body **CA4015 $429.00**

**EOS Elan II Kit**
With 28-80mm f/3.5-5.6 IV USM Lens, neck strap, and battery. **CA4036 $579.00**

**EOS Elan IIE**
Offers the same features as the EOS Elan II with the addition of eye-controlled focusing.

EOS Elan IIE Body **CA4016 $479.00**

**EOS Elan IIE Kit**
With 28-80mm f/3.5-5.6 IV USM Lens, neck strap, and battery. **CA4037 $629.95**

**EOS Elan IIE QD**
Offers same features as EOS Elan II with addition of eye-controlled focusing and Quartz Data back.
EOS Elan IIEQD Body **CA4017 $499.00**

**Battery Pack BP-50 for Elan II Cameras**
Extends camera's power and provides a vertical grip with its own shutter release button and on/off switch. Uses 4 AA batteries or a standard 2CR5 battery (not included). **CA4115 $69.95**




*Canon EOS-1N*




### EOS 1NRS

Features a pellicle mirror which allows you to shoot up to 10 f.p.s. A great camera for shooting sports, nature, news and fashion.
**EOS-1NRS Body CA4020 CALL**

### EOS Accessories

**Power Drive Booster for EOS-1/1N**
Boosts motor drive and autofocus capabilities. Film advance up to 5.5 fps, and continuous shooting performance increases from 2 fps to 4.5. Also features separate shutter and AE lock buttons whether shooting vertically or horizontally.
**CA4200 $299.95**

**NiCad Pack for Power Drive Booster for EOS-1/1N**
Especially effective in low temperatures. Full charge powers up to 30-36 exp. rolls at -4°F.
**CA4175 $89.95**

Charger for NiCad Power Drive Booster Battery Pack
**CA4180 $279.95**

Command Back E1 for EOS-1
**CA4120 $219.95**

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## With 5-Zone Autofocus!

### Canon EOS-1N

Designed to provide total control over every imaginable photographic situation, the EOS-1N offers a totally integrated system that permits the fine-tuning of the key photographic aspects. It features four auto-exposure modes including shutter- and aperture-priority AE, depth-of-field AE and intelligent program AE, both of which integrate lens focal length and focusing distance data for more informed auto-decisions. The EOS-1N also offers manual exposure with shutter speeds in ⅓-step increments from 30 seconds to 1/8000 sec. Other features include three focusing options (AF, predictive AI servo AF and manual), and two electronic input dials for quicker operational changes. The EOS-1N body uses EF lenses only and comes complete with battery and strap. EOS-1N Body **CA4025 CALL**

# Canon Lenses



*EOS EF 300mm f/2.8 USM*



*EOS EF 70-200mm f/2.8L USM (shown with hood)*

## EOS EF Autofocus Lenses

Canon's reputation for excellence in optics has been well established for years. And with the introduction of EF lenses for the EOS, it's only getting better. EF Lenses have the largest diameter mount of any 35mm camera, which not only strengthens the whole system, but permits optical innovations never before possible. L-Series lenses have better sharpness and contrast because Canon uses aspherical elements to eliminate spherical aberrations. In addition, the L-Series telephotos use UD (Ultra-low Dispersion) glass to reduce chromatic aberration resulting in more accurate colors. A built-in Ultrasonic focusing Motor (indicated by USM) provides pro-quality AF speed with split-second accuracy.

| Description | Part No. | Price |
|---|---|---|
| EF 14mm f/2.8L USM* | CA4038 | $2199.00 |
| EF 15mm f/2.8* | CA4040 | $749.95 |
| EF 20mm f/2.8 USM (72Ø)<br>Hood EW-75II | CA4041<br>CA4340 | $499.95<br>$39.95 |
| EF 24mm f/1.4L USM (77Ø) | CA40425 | $1399.00 |
| EF 24mm f/2.8 (58Ø)<br>Hood EW-60II | CA4042<br>CA4350 | $359.95<br>$19.95 |
| EF 28mm f/1.8 (58Ø)<br>Hood EW-63II | CA4039<br>CA5220 | $479.95<br>$19.95 |
| EF 28mm f/2.8 (52Ø)<br>Hood EW-65II | CA4044<br>CA4356 | $219.95<br>$19.95 |
| EF 35mm f/2.0 (52Ø)<br>Hood EW-65 | CA4043<br>CA4356 | $319.95<br>$19.95 |
| EF 50mm f/1.0L USM (72Ø)* | CA4045 | $2699.00 |
| EF 50mm f/1.4 USM (58Ø) | CA4046 | $379.95 |
| EF 50mm f/1.8 (52Ø)<br>Hood ES-62 | CA4047<br>CA4361 | $89.95<br>$19.95 |
| EF 50mm f/2.5 Macro (52Ø)** | CA4048 | $349.95 |
| EF 85mm f/1.2L USM (72Ø)* | CA4051 | $1999.00 |
| EF 85mm f/1.8 USM (58Ø)<br>Hood ET-65III | CA40515<br>CA4366 | $399.95<br>$19.95 |
| EF 100mm f/2.0 USM (58Ø)<br>Hood ET-65III | CA4049<br>CA4366 | $469.95<br>$19.95 |
| EF 100mm f/2.8 Macro (52Ø)** | CA4053 | $639.95 |
| EF 135mm f/2.0 L USM (72Ø)<br>Hood ET-78II | CA40525<br>CA4372 | $999.00<br>$39.95 |
| EF 135mm f/2.8 Soft Focus (52Ø)<br>Hood ET-65III | CA4052<br>CA4366 | $419.95<br>$19.95 |
| EF 180mm f/3.5L Macro (72Ø)* | CA40532 | $1459.00 |
| EF 200mm f/1.8L USM* | CA4054 | $4269.00 |
| EF 200mm f/2.8L II USM (72Ø)*<br>Hood ET-83BII | CA40542<br>CA4374 | $769.95<br>$39.95 |
| EF 300mm f/2.8L USM* | CA4056 | $4259.00 |
| EF 300mm f/4.0L USM (77Ø)* | CA4064 | $1059.00 |
| EF 300mm f/4.0 IS USM (77Ø)* | CA40565 | $1479.00 |
| EF 400mm f/2.8L USM* | CA4057 | $7299.00 |

| Description | Part No. | Price |
|---|---|---|
| EF 400mm f/5.6L USM (77Ø)* | CA40575 | $1399.00 |
| EF 500mm f/4.5L USM* | CA4059 | $5599.00 |
| EF 600mm f/4.0L USM * | CA4058 | $8899.00 |
| EF 17-35mm f/2.8 L USM (77Ø)* | CA40610 | $1389.00 |
| EF 20-35mm f/3.5-4.5 USM (77Ø)<br>Hood EW-83II | CA40615<br>CA5207 | $439.95<br>$29.95 |
| EF 22-55mm f/4-5.6 USM (58Ø) | CA4071 | $159.95 |
| EF 24-85mm f/3.5-4.5 USM (67Ø) | CA40685 | $399.95 |
| EF 28-70mm f/2.8 L USM (77Ø)*<br>Hood EW-68A | CA40645<br>CA4358 | $1239.00<br>$27.95 |
| EF 28-105mm f/3.5-4.5 USM (58Ø)<br>Hood EW-63II | CA40675<br>CA5220 | $319.95<br>$19.95 |
| EF 28-135mm f/3.5-5.6 IS USM (72Ø) | CA4070 | $579.95 |
| EF 35-80mm f/4.0-5.6<br>Hood EW-54II | CA4069<br>CA4354 | $99.95<br>$19.95 |
| EF 35-350mm f/3.5-5.6L USM (72Ø)* | CA40735 | $1899.00 |
| EF 55-200mm f/4.5-5.6 USM (52Ø)<br>Hood ET-54 | CA4072<br>CA4368 | $219.95<br>$19.95 |
| EF 70-200mm f/2.8L USM (58Ø) | CA4078 | $1349.00 |
| EF 75-300mm f/4.0-5.6 USM II(58Ø)<br>Hood ET-60 | CA4092<br>CA4363 | $259.95<br>$19.95 |
| EF 75-300mm f/4-5.6 II (58Ø)<br>Hood ET-60 | CA4088<br>CA4363 | $199.95<br>$19.95 |
| EF 75-300mm f/4.0-5.6 IS USM (58Ø)<br>Hood ET-64II | CA4089<br>CA4367 | $589.95<br>$24.95 |
| EF 80-200mm f/4.5-5.6 II (52Ø)<br>Hood ET-54 | CA4083<br>CA4368 | $139.95<br>$19.95 |
| EF 100-300mm f/4.5-5.6 USM (58Ø)<br>Hood ET-65III | CA4081<br>CA4366 | $329.95<br>$19.95 |
| EF 100-400mm f/4.5-5.6L IS USM | CA4084 | $1699.00 |
| EF 100-300mm f/5.6L (58Ø)* | CA4082 | $649.95 |
| Extender EF 1.4x | CA4060 | $399.95 |
| Extender EF 2.0x | CA4062 | $329.95 |
| Life Size Converter for 50mm f/2.5 | CA4050 | $249.95 |

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## EOS Tilt-Shift Lenses

With perspective and depth of field controls.

TS-E 24mm f/3.5L* **CA4080 $1359.00**

TS-E 45mm f/2.8* **CA4085 $1359.00**

TS-E 90mm f/2.8* **CA4090 $1359.00**

** Lens hood included*

*** Lens hood not recommended*

*All Canon products featured on this page include Canon USA 1-year limited warranty registration card.*




A



B



C

### Ⓐ Canon 550EX

With the EOS-3, the E-TTL autoflash system uses a 21-zone evaluative metering sensor to obtain optimum flash exposures. Photographers can select ambient metering patterns, exposure mode and compensation settings to create many effects.

The 550EX provides increased light output (guide number of 180', at ISO 100 and a 105mm focal length). It has an autozoom range of 24mm to 105mm plus a wide-angle panel that increases coverage to 17mm. Other features: flash exposure level scale, flash exposure lock, FP flash mode for flash sync at any shutter speed, flash exposure bracketing up to ±3 stops and E-TTL wireless multi-flash control. **CA4105 $499.95**

**Speedlite Transmitter ST-E2**
Wireless autoflash accessory for 550 EX flash. **CA4138 $229.95**

### Ⓑ Speedlite 540EZ

This powerful, high-output auto-zoom flash with a maximum guide number of 177 (ISO 100) is compatible with focal lengths ranging from 24mm wide angle to 105mm medium telephoto. With its built-in wide panel, it covers the angle of an ultra-wide 18mm lens. **CA4104 $334.95**

### Speedlite 480EG

With a maximum guide number of 223 (ISO 100) this versatile grip-type unit takes the lead as Canon's most powerful electronic flash. Its classic clamp-and-bracket design ensures secure attachment to the camera while maintaining maximum ease of use even during the most demanding shooting conditions. Includes TTL Shoe Cord, Wide Panel and Tele Panel. **CA4106 $599.95**

### Ⓒ Speedlite 380EX

Designed in conjunction with the Canon EOS Elan II/IIE, this Speedlite features a guide number of 125 (ISO 100), six-position auto zoom head for coupling from 24 to 105mm, 90° bounce, flash exposure confirmation signal, and energy-saving auto shut-off. **CA4102 $184.95**

### Macro Ring Lite ML-3

Close-up flash directly compatible for use with the EF 50mm f/2.5 Compact Macro and EF 100mm f/2.8 Macro lenses. Features include TTL automatic flash exposure control with exposure confirmation signal. Guide number is 36 (ISO 100). Ring type flash unit contains two flash tubes, each of which can be switched on or off for creative shadow control. Can be used with other EF and FD lenses with optional Macrolite Adapters. **CA4560 $299.95**

### Remote Control Accessories

**Wireless Remote Controller RC-1**
For use with EOS 10S, EOS Elan II/IIE, Elan and IX. **CA4275 $21.59**

**Wireless LC-4 Remote Control**
**CA4278 $399.95**

**Remote Switch RS-60E3**
For use with EOS Elan II/IIE, Rebel X/XS, and IX. **CA2188 $19.95**

**Remote Switch RS-80N3**
**CA2189 $56.95**

**Remote Switch 60 T3**
Electromagnetic cable release. Operates AF and metering separately from shutter release, also features Running Lock. Length: 2'.
**CA2187 $42.95**

**Extension Cord 1000T3**
33' extension cord accepts all T3 accessories. **CA2182 $39.95**

**Remote Switch 3**
Requires Remote Switch Adapter T3 for use with compatible EOS and T-Series cameras. Length: 10'.
**CA2180 $10.95**

**Remote Switch Adapter T3**
Converts LC-1, TM-1 and other accessories with subminiature jacks to T3 compatibility. **CA2181 $24.95**

**Remote Switch Adapter RA-N3**
**CA4277 $49.95**

**Cable Release Adapter T3**
Small patch cord converts standard mechanical cable releases to T3 compatibility. **CA2021 $29.49**

**Timer Remote Controller TC80N3**
**CA4279 $149.95**

### Viewing Accessories

**Eye Cup Eb**
For EOS 10S, Elan, Rebel Series, 700, 750 and 850. **CA4273 $9.95**

**Eye Cup Ec-II**
For EOS-1, 1N, 1N RS and D2000.
**CA4271 $15.49**

**Eye Cup Ed**
For EOS A2/A2E, EOS Elan II/IIE and EOS 3. **CA5260 $11.95**

**Eye Cup Ed-E (Extended)**
For EOS A2/A2E, EOS Elan II/IIE and EOS 3. **CA5261 $17.95**

**Eye Cup Ee**
For EOS IX. **CA4274 $11.95**

**Rubber Frame Eb**
For 10S, Elan and Rebel Series.
**CA4265 $8.95**

**Rubber Frame Ec**
For EOS-1, 1N and 1N RS.
**CA4264 $11.95**

**Eye Piece Extender EP-EX15**
For all EOS cameras except A2/A2E, Elan II/IIE, IX and IX Lite.
**CA4266 $17.95**

**Dioptric Adjustment Lenses**
For all cameras except A2/A2E, Elan II/IIE, IX (without Rubber Frame).

| | | |
|---|---|---|
| +2 | CA4255 | $12.95 |
| +1.5 | CA4256 | $12.95 |
| +1 | CA4257 | $12.95 |
| +0.5 | CA4258 | $12.95 |
| 0 | CA4259 | $12.95 |
| -2 | CA4261 | $12.95 |
| -3 | CA4262 | $12.95 |

**Dioptric Adjustment Lenses**
For A2/A2E, Elan II/IIE (with Rubber Frame).

| | | |
|---|---|---|
| +3 | CA4280 | $27.95 |
| +2 | CA4281 | $27.95 |
| +1.5 | CA4282 | $27.95 |
| +1 | CA4283 | $27.95 |
| +0.5 | CA4284 | $27.95 |
| 0 | CA4285 | $27.95 |
| -0.5 | CA4286 | $27.95 |
| -2 | CA4287 | $27.95 |
| -3 | CA4288 | $27.95 |
| -4 | CA4289 | $27.95 |

### Speedlite Accessories

**Macrolite Adapter 52C**
Used to attach Macrolite ML-3 to most lenses with 52mm filter size.
**CA4562 $13.95**

**Macrolite Adapter 58C**
Used to attach Macrolite ML-3 to most lenses with 58mm filter size.
**CA4563 $13.95**

**Transistor Pack E Ni-Cd Set**
For exclusive use with Speedlite 430EZ. Includes semi-hard case, connecting cord, Ni-Cd pack and charger. **CA4109 $299.95**

Battery Magazine TP
**CA41071 $29.95**



**Off-Camera Shoe Cord 2**
This 2' cord is compatible with T90 and all EOS cameras, except EOS 630 and RT models. **CA4245 $59.95**

**TTL Hot Shoe Adapter 3**
For use with Connecting Cords 60 and 300. **CA3652 $74.95**

**Connecting Cord 60**
This 2' coiled cord connects to TTL Hot Shoe Adapter 2. TTL Distributor and Off-Camera Shoe Adapter.
**CA3661 $49.95**

**Connecting Cord 300**
This 9.8' straight cord connects to TTL Hot Shoe Adapter 2. TTL Distributor and Off-Camera Shoe Adapter. **CA3662 $54.95**

**Off-Camera Shoe Adapter OA-2**
For use with Connecting Cords 60 and 300 for off-camera Speedlite use. Accepts one Connecting Cord.
**CA3655 $32.95**

### Angle Finders/Magnifiers

**Angle Finder B**
With dioptric adjustment. For all Canon SLR's. Shows upright correct full-screen image. **CA4110 $119.95**

**Angle Finder Adapter Ed II**
For EOS A2/A2E, Elan II/IIE, IX and EOS 3 to attach Angle Finder B.
**CA5265 $14.95**

**Magnifier S**
With dioptric adjustment. For all Canon SLRs except F-1. Magnifies central area of viewfinder by 2.5x for critical focusing. **CA4112 $42.95**

**Magnifier Adapter S**
For all Canon SLR's except F-1.
**CA4113 $17.95**

## Tamron

Tamron's lightweight, compact lenses deliver images with faithful color rendition, high contrast and unsurpassed definition of both highlights and shadows – even under the most demanding conditions. Lens hoods are included. All Tamron lenses come with a 6-year U.S.A. warranty, unless asterisked (*), which come with 1-year warranty.

** *We also carry Tamron lenses for Minolta and Pentax.*

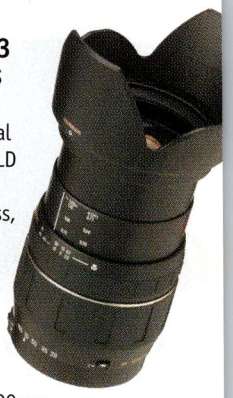
New AT CALUMET



### SP AF 14mm f/2.8 Aspherical (IF) Lens

Unique features include a fast f/2.8 aperture and sophisticated optical system, with two Hybrid Aspherical lens elements which efficiently compensate for aberrations thus achieving flat-field image depiction from corner to corner.

### AF 28-300mm f/3.8-6.3 LD Aspherical (IF) Lens (72Ø)



With its three Hybrid Aspherical elements and two high-grade LD glass elements, this lens produces outstanding sharpness, contrast and color depth. "Quad-Cam Zoom Mechanism" enables four lens barrels to be extended and retracted effortlessly, achieving compactness at 28mm, while holding precise extension at 300mm.




| Fixed Lenses | Minimum Focusing Distance | Filter Size | Dimensions (d x l) | Weight (oz.) | Nikon** | Canon** | Price |
|---|---|---|---|---|---|---|---|
| AF 14mm f/2.8 Aspherical (IF) (Built-in hood) | 8" | Rear Gel Holder | 3.43 x 3.5" | 24.2 | TR1062 | TR1060 | $1299.00 |
| SPAF 20-40mm f/2.7-3.5 Aspherical (IF) | 19.7" | 77mm | 3.2 x 3.2" | 18.5 | TR2044 | TR2040 | $699.95 |
| AF 24-70mm f/3.3-5.6 Aspherical | 15.7" | 62mm | 3.0 x 2.3" | 9.5 | TR2474 | TR2470 | $179.95 |
| AF 28-80mm f/3.5-5.6 Aspherical* | 27.5" | 58mm | 2.8 x 2.8" | 8.4 | TR2814 | TR2810 | $119.95 |
| AF 28-105mm f/4-5.6 (IF) | 19.2" | 62mm | 2.8 x 3.0" | 10.1 | TR3530 | TR3528 | $189.95 |
| SPAF 28-105mm f/2.8LD Aspherical (IF) | 17.3" | 72mm | 3.4 x 4.4" | 31.4 | TR3537 | TR3535 | $799.95 |
| AF 28-200mm f/3.8-5.6LD Aspherical (IF) Super | 31.5" | 72mm | 3.1 x 3.2" | 16.6 | TR3703 | TR3701 | $299.95 |
| AF 28-300 f/3.5-6.3 LD Aspherical (IF) Macro | 23.6" | 72mm | 3.2 x 3.7" | 20.6 | TR3803 | TR3801 | $499.95 |
| SPAF 70-210mm f/2.8LD | 59" | 77mm | 3.5 x 7.0" | 47.3 | TR3546 | TR3543 | $949.95 |
| AF 70-300mm f/4-5.6LD | 59" | 58mm | 2.9 x 4.5" | 18 | TR3552 | TR3550 | $249.00 |
| AF 80-210mm f/4.5-5.6* | 59" | 52mm | 2.7 x 3.8" | 9.9 | TR3562 | TR3560 | $129.00 |
| AF 100-300mm f/5-6.3 | 58.8" | 55mm | 2.8 x 4.6" | 13.6 | TR3577 | TR3575 | $189.00 |
| AF 200-400mm f/5.6LD (IF) | 98.4" | 77mm | 3.3 x 7.0" | 42.7 | TR3555 | TR3556 | $569.95 |
| SPAF 90mm f/2.8 Macro 1:1 | 11.4" | 55mm | 2.7 x 3.8" | 14.2 | TR1095 | TR1093 | $439.95 |
| SPAF 300mm f/2.8LD (IF) | 98.4" | 43mm (rear) | 4.7 x 8.5" | 98.7 | — | TR3572 | $2889.00 |
| SPAF 300mm f/2.8LD (IF) | 98.4" | 43mm (rear) | 4.7 x 8.5" | 79.3 | TR3571 | — | $2613.00 |
| AF1.4x Tele-Converters | Retains min. focus of original lens | — | 2.6 x 1.0" | 3.9 | TR3604 | TR3600 | $109.95 |
| SPAF2x Tele-Converters | Retains min. focus of original lens | — | 2.4 x 1.6" | 6.9 | TR3614 | TR3610 | $129.95 |



## Sigma

With innovative, state-of-the art technology Sigma's complete line of lenses expand your ranges of photographic possibilities. Sigma lenses are designed to be sharp, dependable, versatile, ergonomical and unmatched for low weight and compactness.

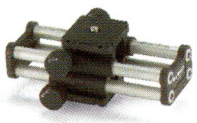
| | Minimum Focusing Distance | Filter Size | Dimensions (d x l) | Weight (oz.) | Nikon | Canon | Price |
|---|---|---|---|---|---|---|---|
| **Fixed Lenses** | | | | | | | |
| AF 8mm f/4 EX Circular Fisheye | 7.9" | Gel (rear) | 2.9 x 2.43" | 14.1 | SM1008 | SM2008 | $669.95 |
| AF 14mm f/2.8 HSM EX Aspherical | 7.1" | Gel | 3.2 x 3.3" | 23.1 | SM1012 | SM2012 | $999.95 |
| AF 15mm f/2.8 EX Diagonal Fisheye | 5.9" | Gel (rear) | 2.9 x 2.5" | 13.1 | SM1013 | SM2013 | $439.95 |
| AF 24mm f/2.8 | 7.1" | 52mm | 2.5 x 1.7" | 8.8 | SM1015 | SM2015 | $169.95 |
| AF 28mm f/1.8 II Aspherical | 11.8" | 58mm | 2.7 x 2.4" | 10.2 | SM1020 | SM2020 | $169.95 |
| AF 50mm f/2.8 EX Macro (1:1) | 7.5" | 55mm | 2.7 x 2.5" | 12.6 | SM1026 | SM2026 | $239.95 |
| AF 105mm f/2.8 EX Macro (1:1) | 12.3" | 58mm | 2.9 x 3.7 | 15.9 | SM1032 | SM2032 | $360.95 |
| AF 300mm f/2.8 APO | 98.4" | 30.5mm (rear) | 4.7 x 8.8 | 71.6 | SM1045 | SM2045 | $2200.00 |
| AF 300mm f/4 APO Macro | 47.2" | 77mm | 3.6 x 7.6" | 47.1 | SM1050 | SM2050 | $629.95 |
| AF 400mm f/5.6 APO Macro | 63" | 77mm | 3.6 x 10.1" | 51 | SM1055 | SM2055 | $659.95 |
| **Zoom Lenses and Extenders** | | | | | | | |
| AF 24-70mm f/3.5-5.6 Aspherical | 19.7" | 55mm | 2.8 x 2.5" | 9.3 | SM1115 | SM2115 | $149.95 |
| AF 28-70mm f/2.8 EX | 15.7" | 77mm | 3.1 x 3.9" | 21.3 | SM1126 | SM2126 | $339.95 |
| AF 28-70mm f/2.8-4 UC | 19.7" | 55mm | 2.8 x 2.5" | 10.1 | SM1120 | SM2120 | $129.95 |
| AF 28-80mm f/3.5-5.6 Mini Zm. Macro Asp. | 19.7" | 55mm | 2.7 x 2.7" | 9.0 | SM1130 | SM2130 | $89.95 |
| AF 28-105mm f/2.8-4.0 Aspherical | 19.7" | 72mm | 3.0 x 3.2" | 13.2 | SM1140 | SM2140 | $199.95 |
| AF 28-200mm f/3.8-5.6 Aspherical UC | 59.1" | 55mm | 3.0 x 3.1" | 15.9 | SM1145 | SM2145 | $239.95 |
| AF 70-200mm f/2.8 APO EX HSM | 70.9" | 77mm | 3.4 x 7.2" | 44.8 | SM1162 | SM2162 | $799.95 |
| AF 1.4X APO Extender | — | — | 2.7 x 0.75" | 5 | SM1163 | SM2163 | $149.95 |
| AF 2X APO Extender | — | — | 2.7 x 2.05" | 8.3 | SM1164 | SM2164 | $171.95 |
| AF 70-210mm f/4-5.6 UC-II | 47.2" | 55mm | 2.8 x 3.3" | 12 | SM1150 | SM2150 | $119.95 |
| AF 70-300mm f/4-5.6 APO Macro | 59.1" | 58mm | 3.0 x 4.6" | 20.8 | SM1170 | SM2170 | $289.95 |
| AF 70-300mm f/4-5.6 DL Macro | 59.1" | 58mm | 3.0 x 4.6" | 20.8 | SM1165 | SM2165 | $199.95 |
| AF 135-400mm f/4.5-5.6 APO Aspherical | 79.2-98.4" | 77mm | 3.5 x 7.1" | 42.6 | SM1175 | SM2175 | $499.95 |
| AF 170-500mm f/5-6.3 APO Aspherical | 117.6-126" | 86Cmm | 3.6 x 9.0" | 46.4 | SM1180 | SM2180 | $609.95 |




## Novoflex

### Reverse Adapter for Canon EOS

Canon EOS shooters can now convert a wide angle lens into an effective macro lens just by turning it around. The adapter connects what's normally the front of your lens to the camera body. When installed in the reverse position, the magnification range of an EOS 28mm lens is extended from 2.5x life size to 4.5x life size with superb quality and minimal loss of light. **NF3103 $269.95**







### Macro Bellows System

**Novoflex Automatic Bellows**

Open aperture metering and direct auto-aperture coupling without a double cable release! With fixed camera mount and lens coupling.

Nikon AI/AF **NF2000 $479.95**

Canon AF **NF2050 $479.95**

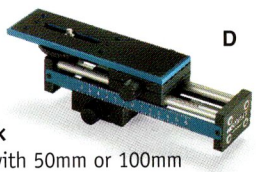
Minolta AF **NF2200 $479.95**

**Ⓐ Novoflex Universal Bellows**

Adapts for 35mm SLRs! Dual stage focus and swings. Accepts lenses w/39mm Leica-thread. Requires camera adapter mount.
**NF2084 $299.95**

**60mm f/4 Noflexar**

With 39mm threaded mount. **NF2086 $239.95**




### Focusing Racks

**Ⓑ Mini Focusing Rack**

For 35mm SLRs fitted with 50mm or 100mm macros! Provides over 5" of focusing with top or bottom stage. **NF1205 $124.95**

**Ⓒ Precision Focusing Rack**

Offers critical positioning on any stand or tripod to maintain reproduction ratios. For any macro lens, bellows or copy stand. **NF1203 $169.95**

**Ⓓ Professional Precision Focusing Rack**

Offers incredible rigidity and over 12" of movement. This dual-stage rack is calibrated for precision close-ups. **NF1215 $244.95**

**Slide Copying Attachment**

Mounts directly to all Novoflex Focusing Racks for duping 35mm or 6x6cm transparencies.
**NF1046 $169.95**

*For more information on Novoflex products, call 1-888-888-9083.*

## Best Support for the Best Price!

### Calumet Tripods & Monopods

These premier tripods and monopods, offer all the features of other high-end tripods except the expensive price tag. Solid camera support, efficient height adjustments, and long-lasting, dependable performance are all trademarks of the new Calumet tripods and monopods.

Their sturdy legs are constructed of high-strength aluminum alloy for maximum rigidity and smooth, gliding telescopic adjustments. The "ring-lock" leg locking system provides quick height adjustments and positive locking without a chance of slipping.

For maximum flexibility, Calumet tripods are fitted with sliding leg-angle stops which allow you to adjust the angle of the leg spread from 24°, 60° and 80°, or from standard heights down to extreme low angle shots.

The center collar of our tripods offer exceptionally strong support for the legs for maximum rigidity and minimum vibration.



### Calumet Midpro Tripod

This heavy-duty tripod will handle large format cameras up to 8x10. The Midpro includes a short single lift column with ¼" and ⅛" threads at either end.
**TC7900 $349.95**



### Calumet Lightpro Tripod

This rugged tripod comes with a rapid double lift pneumatic column for total height adjustments up to 69".
**TC7960 $229.95**



*Shown with optional ballhead*

### Calumet Mini Tripod

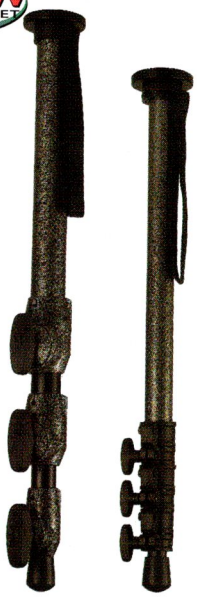
This tripod weighs just 4½ pounds and will support cameras up to medium format.
**TC7970 $119.95**

### Calumet Deluxe Monopod

Made with the same lock-ring system as the Midpro and Lightpro tripods, the Deluxe Monopod features three leg extensions for heights up to 64". Weighs just 2.2 pounds, yet supports cameras up to medium format. Great for long lenses.
**TC7951 $99.95**

### Calumet Economy Monopod

This 3-section monopod is great for 35mm cameras and weighs less than 1½ pounds.
**TC7952 $69.95**



### Midpro Tripod Accessories

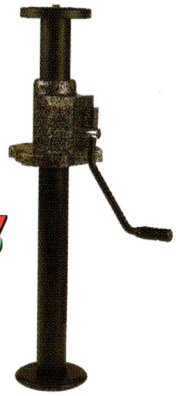
#### Rapid Double Lift Pneumatic Column

This telescopic, double lift column offers 25" of height extension quickly and easily. It also features ⅜" and ¼-20 mounting screws at both ends for standard and low angle shots. **TC7901 $99.95**



#### Geared Centered Column

This convenient, 25" geared column offers precision height adjustments. Its "self-locking" design provides smooth, safe height-level adjustments, without the need of locking knobs.
**TC7902 $299.95**



### Calumet 3-Way Tripod Heads

This head features pan, tilt or side-to-side levelling with fluid-smooth movements. For your set-up convenience, a quick release plate offers fast and safe mounting and a camera balancing sliding system with adjustable pressure plate locking. Reversible ⅜" or ¼-20 Quick Release Plate included.
**For Midpro TC7905 $269.95**
**For Lightpro TC7961 $189.95**

Reversible 3/8" and 1/4-20 Quick Release Plate **TC7906 $19.95**

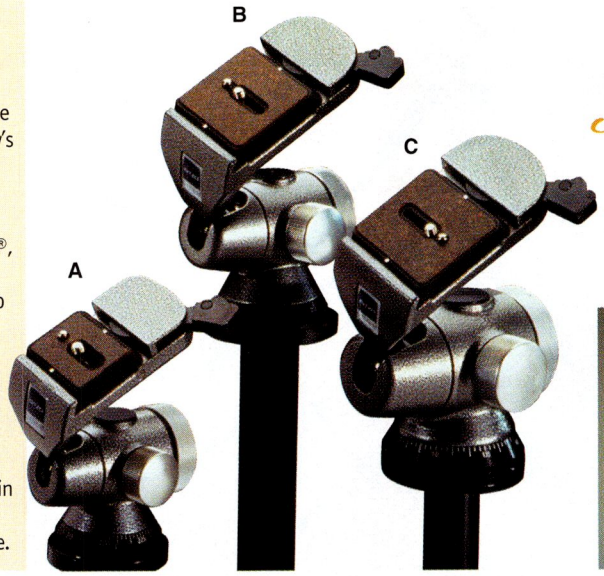


| Calumet Tripods and Monopods | Extended Height | Folded Length | Minimum Height | Leg Sections | Weight | Recommended Format | Load Baring Weight | Item Number | Price |
|---|---|---|---|---|---|---|---|---|---|
| Midpro Tripod | 83" | 31" | 12.8" | 3 | 12.3 lbs. | Up to 4x5 | 33 lbs. | TC7900 | $349.95 |
| Lightpro Tripod | 69" | 27" | 10" | 3 | 6.4 lbs. | 35mm/2¼ | 26½ lbs. | TC7960 | $219.95 |
| Mini Tripod | 61½" | 25" | 23" | 4 | 1½ lbs. | 35mm/2¼ | 22 lbs. | TC7970 | $109.95 |
| Deluxe Monopod | 64" | 23" | 23" | 4 | 2.2 lbs. | 35mm | 26½ lbs. | TC7951 | $99.95 |
| Economy Monopod | 63" | 20" | 20" | 4 | 1.5 lbs. | 35mm | 22 lbs. | TC7952 | $69.95 |

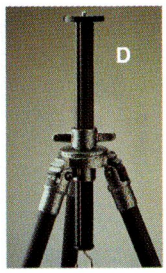
| Calumet Tripod Heads | Platform Size | Support Load | Weight | Recommended Format | Item Number | Price |
|---|---|---|---|---|---|---|
| 3-Way Head for Midpro | 3 x 1¾" diameter | 27 lbs. | 2.2 lbs. | 35mm/2¼/4x5 | TC7905 | $269.95 |
| 3-Way Head for Lightpro | 3 x 1¾" diameter | 18 lbs. | 4.7 lbs. | 35mm/2¼ | TC7961 | $189.95 |

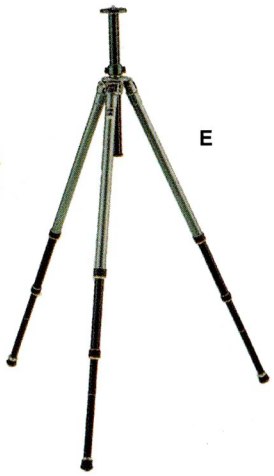
## Gitzo Tripods, Monopods, Heads and Accessories

Acknowledged by professionals the world over as setting the industry's standards for excellence.
New additions like the innovative carbon fiber tripods, magnesium head and revolutionary MonoTrek®, ultra lightweight walking stick/monopod combination, keep Gitzo products in a class of their own. No gimmicks and no compromise on quality. Gitzo's carefully crafted camera supports offer a comprehensive choice for large, medium, small format photography or dynamic video – in studio, at weddings or on location. The professionals' choice.




Calumet is a Full-line Dealer




**Quick Release Plates**

| | |
|---|---|
| Standard Plate ¼-20 | GZ3395 $24.95 |
| Long Plate ¼-20 | GZ3390 $33.95 |
| Standard Plate ⅜" | GZ3396 $19.95 |
| Long Plate ⅜" | GZ3391 $29.95 |

| | Platform Size | Support Load | Weight | Recommended Format | Item Number | Price |
|---|---|---|---|---|---|---|
| **Gitzo Rationnelle Three Way Heads** | | | | | | |
| G1172 Three Way Series 2 | 1½ x 2" | 5½ lbs. | 1¾ lbs. | 35mm/2¼ | GZ2273 | $159.95 |
| G1372M Three Way Series 3 | 2⅜ x 2⅜" | 13 lbs. | 2¾ lbs. | 35mm up to 4x5 | GZ3370 | $172.95 |
| G1572 Three Way Series 5 Quick Release | 2 x 2" | 17⅝ lbs. | 3⅞ lbs. | 4x5/8x10 | GZ2471 | $242.95 |
| G1270M Three Way Series 2 | 2¾ x 4¾" | 10 lbs. | 1½ lbs. | 35mm/2¼ | GZ2275 | $119.95 |
| G1570M Three Way Series 5 Low Profile | 6 x 3⅜" | 22 lbs. | 3½ lbs. | 4x5/8x10 | GZ3283 | $224.95 |
| G1370M Three Way Series 5 Low Profile | 4¾ x 2¾" | 13¼ lbs. | 1⅞ lbs. | 35mm to 4x5 field | GZ33791 | $191.95 |
| **Gitzo Ball Heads** | | | | | | |
| G1175 Ball 1 | 1¾" diameter | 6½ lbs. | 8 oz. | 35mm/2¼ | GZ3372 | $94.95 |
| Ⓐ G1276M Ball 2 Quick Release | 2 x 1½" | 11 lbs. | 1¼ lbs. | 35mm to 4x5 field | GZ3280 | $159.95 |
| Ⓑ G1376M Ball 3 Quick Release | 2¼ x 2¼" | 13¼ lbs. | 2⅛ lbs. | 4x5 | GZ3373 | $214.95 |
| Ⓒ G1576M Ball 4 Quick Release | 2¼ x 2¼" | 22 lbs. | 2¾ lbs. | 4x5/8x10 | GZ3284 | $224.95 |
| G1377 Vertical Ball w/Friction Control | 2¼ x 2¼" | 17½ lbs. | 1¾ lbs. | 4x5/8x10 | GZ3368 | $184.95 |

| | Extended Height | Folded Length | Minimum Height | Leg Sections | Weight | Recommended Format | Recommended Heads | Item Number | Price |
|---|---|---|---|---|---|---|---|---|---|
| **Tripod Leg Set** | | | | | | | | | |
| G126 Total Luxe Performance | 53¾" | 15" | 12" | 4 | 3 lbs. | 35mm | 1172/G1175 | GZ1126 | $224.95 |
| G1220 Reporter Performance MK2 | 61" | 23" | 18" | 3 | 4½ lbs. | 35mm/2¼ | G1270M/G1172 | GZ1220 | $254.95 |
| Ⓔ G1320 Studex Performance MK2 | 74⅞" | 29½" | 18½" | 3 | 7¼ lbs. | 35mm to Lt. 4x5 | G1372M/G1377 | GZ1320 | $326.95 |
| G1341 Inter Pro Studex/Rapid MK2 | 75¾" | 29½" | 6¼" | 3 | 7½ lbs. | up to 4x5 | G1372M/G1377 | GZ1341 | $399.95 |
| G1412 Pro Studex Giant/Geared MK2 | 76½" | 31½" | 9" | 3 | 11½ lbs. | up to 4x5 | G1520M/G1577 | GZ1405 | $656.95 |
| G1509 Tele Stud. Giant Lux./Grd. MK2 | 109" | 33½" | 9" | 5 | 15½ lbs. | 4x5/8x10 | G1520M/G1577 | GZ1517 | $885.95 |
| **Gitzo Mountaineer Carbon Fiber Tripods** | | | | | | | | | |
| G1227 Reporter Mountaineer MK2 | 64" | 23¾" | 13⅞" | 3 | 3 lbs. | up to 4x5 | G1276M/G1275M | GZ1227 | $569.95 |
| G1228 Reporter Mountaineer MK2 | 62" | 20¾" | 12½" | 4 | 3¼ lbs. | up to 4x5 | G1276M/G1275M | GZ1228 | $589.95 |
| G1349 Interpro Studex Mountaineer MK2 | 79⅛" | 25¾" | 15½" | 4 | 5½ lbs. | 4x5/8x10 | G1372 | GZ1234 | $899.95 |
| G1329 Interpro Studex Mountaineer MK2 | 72⅜" | 27⅜" | 16⅜" | 3 | 5¼ lbs. | 4x5/8x10 | G1570M/1577 | GZ1231 | $759.95 |
| **Gitzo Monopods** | | | | | | | | | |
| G1564 Mono Studex MK2 | 63½" | 21½" | — | 4 | 1¾ lbs. | 35mm/2¼ | G11175 | GZ1560 | $115.95 |
| Ⓓ G1568 Mountaineer MK2 | 65⅜" | 21¾" | — | 4 | 1 lbs. | 35mm/2¼ | G1175 | GZ1668 | $204.95 |
| G1588 Mountaineer Tele Studex MK2 | 65" | 22½" | — | 4 | 1¾ lbs. | sport lenses | G1175 | GZ1669 | $246.95 |




*Manfrotto Tracker Series Tripods*






J

*Manfrotto*
*3401 Convertible Tripod*

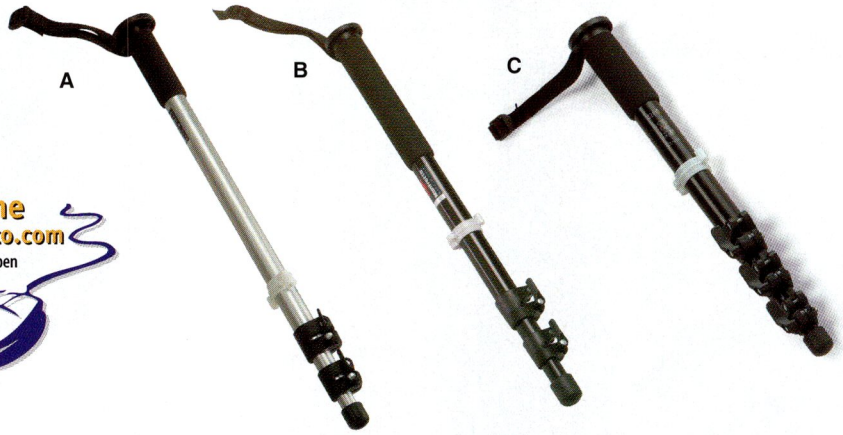
## Manfrotto Tripods
### (Formerly Bogen Tripods)

Because no one tripod can meet every photographic need, Manfrotto offers a broad selection ranging from the lightweight 3001 to the heavy-duty 3058. Manufactured in Italy, all models are available with a wide choice of heads, dollies and performance-enhancing accessories. All Manfrotto tripods and heads are interchangeable (except the Junior 3405), so you can select the combination that best fits your workflow.

The new 3205G Tracker was designed for wildlife and nature photography. This lightweight, compact tripod features retractable rubber/metal spiked feet, olive green top section with two leg extensions in black anodized aluminum finish, reversible, two-section center column and rapid action, lever leg locks. It comes complete with rubber leg protectors and a tripod carrying strap.

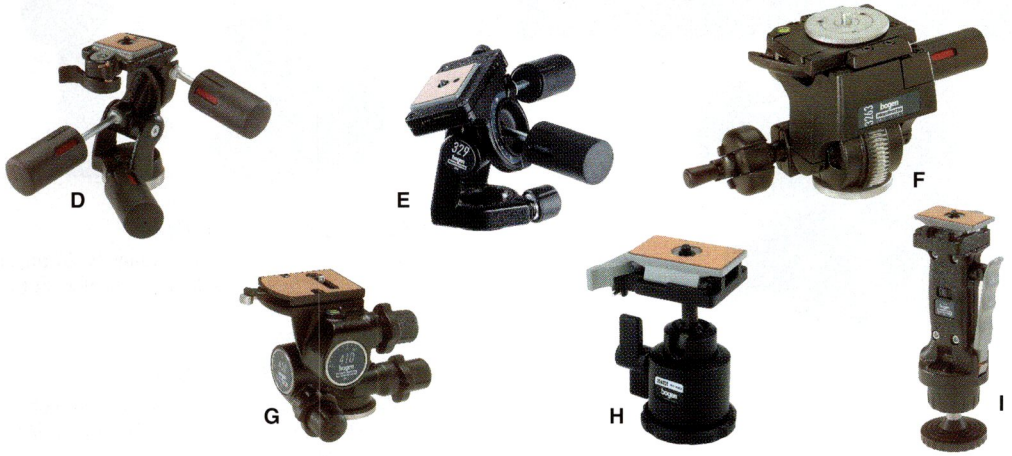
| | Extended Height | Folded Height | Number of Leg Sections | Center Post Travel | Weight | Recommended Format | Recommended Heads | Item Number | Price |
|---|---|---|---|---|---|---|---|---|---|
| **Bogen/Manfrotto Tripods with Braced Legs and Geared Column** | | | | | | | | | |
| 3033 (Chrome) | 66½" | 28" | 3 | 12" | 7¾ lbs. | 35mm/2¼ | 3029-3047 | BG1220 | $179.95 |
| 3233 (Black) | 66½" | 28" | 3 | 12" | 7¾ lbs. | 35mm/2¼ | 3029-3047 | BG1268 | $179.95 |
| 3036 (Chrome) | 84" | 33" | 3 | 9¼" | 9⅞ lbs. | Up to light 4x5 | 3029-3047 | BG1225 | $199.95 |
| C 3236 (Black) | 84" | 33" | 3 | 9¼" | 9⅞ lbs. | Up to light 4x5 | 3029-3047 | BG1270 | $209.95 |
| 3046 (Chrome) | 68½" | 32" | 2 | 19¾" | 8⅛ lbs. | Up to light 4x5 | 3047-3057 | BG1230 | $169.95 |
| 3246 (Black) | 68½" | 32" | 2 | 19¾" | 8⅛ lbs. | Up to light 4x5 | 3047-3057 | BG1275 | $184.95 |
| B 3051 (Chrome) | 63¼" | 37¼" | 3 | 9¼" | 13½ lbs. | Up to 4x5 | 3047-3057 | BG1235 | $230.95 |
| 3251 (Black) | 63¼" | 37¼" | 3 | 9¼" | 13½ lbs. | Up to 4x5 | 3047-3057 | BG1277 | $241.95 |
| 3058 (Chrome) | 105" | 41" | 3 | 10" | 17 15/16 lbs. | Up to 8x10 | 3047-3057 | BG1240 | $339.95 |
| A 3258 (Black) | 105" | 41" | 3 | 10" | 17 15/16 lbs. | Up to 8x10 | 3057 | BG1280 | $364.95 |
| **Bogen/Manfrotto Tripods with Adjustable Leg Spread and Reversible Center Post** | | | | | | | | | |
| G 3001 (Chrome) | 55" | 21" | 3 | 8¾" | 3⅝ lbs. | 35mm/2¼ | 3025-3047 | BG1200 | $74.95 |
| E 3205 (Black) | 55" | 21" | 3 | 8¾" | 3⅝ lbs. | 35mm/2¼ | 3025-3047 | BG1255 | $79.95 |
| H 3205G (Green/Black) | 55" | 21" | 3 | 14" | 3⅝ lbs. | 35mm/2¼ | 3030G-3265G | BG1450 | $119.95 |
| D 3011 (Chrome) | 67" | 24" | 3* | 14½" | 5¼ lbs. | 35mm/2¼ | 3025-3047 | BG1210 | $89.95 |
| 3211 (Black) | 67" | 24" | 3* | 14½" | 5¼ lbs. | 35mm/2¼ | 3025-3047 | BG1260 | $95.95 |
| 3021 (Chrome) | 70½" | 25¾" | 3 | 16½" | 5¾ lbs. | 35mm/2¼ | 3025-3047 | BG1215 | $114.95 |
| F 3221 (Black) | 70½" | 25¾" | 3 | 16½" | 5¾ lbs. | 35mm/2¼ | 3025-3047 | BG1265 | $120.95 |
| I 3221G (Green/Black) | 70½" | 25¾" | 3 | 16½" | 5¾ lbs. | 35mm/2¼ | 3030G-3265G | BG1452 | $157.95 |
| J 3401 Convertible | 67⅝" | 26⅓" | 3 | 13½" | 5¾ lbs. | 35mm | 3028 | BG1282 | $129.95 |
| 3401 Convertible (Black) | 67⅝" | 26⅓" | 3 | 13½" | 5¾ lbs. | 35mm | 3028 | BG1283 | $135.95 |

** Fixed leg spread.*




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| | Extended Height | Folded Height | Number of Leg Sections | Weight | Recommended Format | Recommended Heads | Item Number | Price |
|---|---|---|---|---|---|---|---|---|
| **Bogen/Manfrotto Monopod and Table Top Tripod** | | | | | | | | |
| Ⓐ 3016 (Chrome) | 59" | 23" | 3 | 1 lb. | 35mm/2¼ | 3009-3025 | BG3120 | $38.95 |
| 3216 (Black) | 59" | 23" | 3 | 1 lb. | 35mm/2¼ | 3009-3025 | BG4086 | $39.95 |
| 3018 (Chrome) | 65" | 27" | 3 | 1⅞ lbs. | 35mm/2¼ | 3009-3025 | BG3110 | $44.95 |
| Ⓑ 3218 (Black) | 65" | 27" | 3 | 1⅞ lbs. | 35mm/2¼ | 3009-3025 | BG4088 | $48.95 |
| Ⓒ 3249 (Black) | 60" | 20" | 4 | 1¾ lbs. | 35mm/2¼ | 3009-3025 | BG4093 | $44.95 |
| 3008 Table Top w/Head | 2¼" | 5½ | n/a | ¼ lb. | 35mm | 3009 (included) | BG1206 | $39.95 |




| | Platform Size | Load Bearing Weight | Weight | Recommended Format | Item Number | Price |
|---|---|---|---|---|---|---|
| **Bogen/Manfrotto Tripod Heads** | | | | | | |
| 3025 3-D | 2" x 2½" | 6.6 lbs. | 1⅛ lbs. | 35mm | BG1305 | $23.95 |
| 3028 Super 3D | 2¾" x 3¼" | 6.6 lbs. | 1⅜ lbs. | 35mm/2¼ | BG1315 | $29.95 |
| 3029 Pan/Tilt | 2¼" x 2¼" | 13.25 lbs. | 2¼ lbs. | up to light 4 x 5 | BG1320 | $46.95 |
| Ⓓ 3030 Pan/Tilt w/quick rel. | 1½"x 2" | 13.2 lbs. | 2⅛ lbs. | 35mm/2¼ | BG1323 | $54.95 |
| 3047 Deluxe 3-Way | 2¾" Hex | 16.5 lbs. | 4¼ lbs. | 4x5 | BG1330 | $74.95 |
| 3039 Super Pro | 2¾" Hex | 26.4 lbs. | 4¼ lbs. | 4x5 to 8x10 Field | BG1325 | $154.95 |
| Ⓕ 3263 Deluxe Geared | 2¾" Diam. | 22 lbs. | 5¾ lbs. | 4x5 to 8x10 Field | BG1306 | $499.95 |
| Ⓖ 3275 Compact Gear Head | 2½" x 3¾" | 11 lbs. | 2¾ lbs. | 35mm to 4x5 Field | BG1308 | $164.95 |
| Ⓔ 3410 Low Profile Head | 2¾" Sq. | 13.2 lbs. | 1¼ lbs. | up to Lt. 4x5 | BG1332 | $79.95 |
| **Bogen/Manfrotto Ball Heads** | | | | | | |
| Ⓗ 3262 Medium Ball Q.R. | 1½" Diam. | 8.8 lbs. | 1¾ lbs. | 35mm/2¼ | BG1303 | $34.95 |
| 3038 Super Ball | 2¾" Hex | 26.4 lbs. | 4⅝ lbs. | 4x5 | BG1227 | $159.95 |
| Ⓘ 3265 Grip Action | 1⅜" x 2½" | 5.5 lbs. | 2 lbs. | 35mm | BG1360 | $84.95 |
| 3435 Q.R. | 1½" x 2 QR | 22 lbs. | 2 lbs. | 35mm/2¼/Lt. 4x5 | BG1302 | $228.95 |

## Bogen/Manfrotto Dollies

**3156 Folding Auto Dolly**
One pedal raises all three wheels off the ground. For 3033, 3036, 3046, 3051, 3058. Folds to 29".
**BG3050 $159.95**
**BG4100 (Black) $169.95**

**3137 Variable Leg Spread Dolly**
Has the addition of variable leg spread. Suitable for standard and spiked feet. Folds to a compact 16".
**BG3983 $123.95**

## Accessories

19" Extension Leg Set for 3046 and 3051 tripods **BG4060 $36.95**

3059 Side Arm for lateral camera movement or copy work. Mounts to centerpost. **BG4016 $48.49**

3044 Tripod Carry Strap
**BG4075 $24.95**

3279 25" Tripod Bag for 3001 tripods **BG4300 $34.95**

3281 45" Tripod Bag for 3036, 3046, 3051 tripods **BG4302 $54.95**

3280 35" Tripod Bag for 3021
**BG4301 $42.95**

3115 Ball Head Leveler
**BG3035 $59.95**

3256 Spike Feet Adapter
**BG3974 $15.95**

3229 Swivel Tilt Q.R. Head for monopods **BG1218 $25.95**

**Leg Warmers**

3430 14" long for 3021, 3401 and 3011 tripods **BG3971 $28.95**

3431 10" long for 3001 tripods
**BG3972 $25.95**

## Extra Mounting Plates

**For Bogen 3038, 3047, 3055, 3039 Tripod Heads and 3296 Quick-Release**

3041 ¼-20 thread, flush screw
**BG4017 $14.95**

3042 ⅜ thread, flush screw
**BG4018 $14.95**

3049 ¼-20 thread, thumb screw
**BG3999 $15.95**

3048 ⅜ thread, thumb screw
**BG3998 $15.95**

**For Bogen 3038, 3047, 3039 and 3057 Heads**

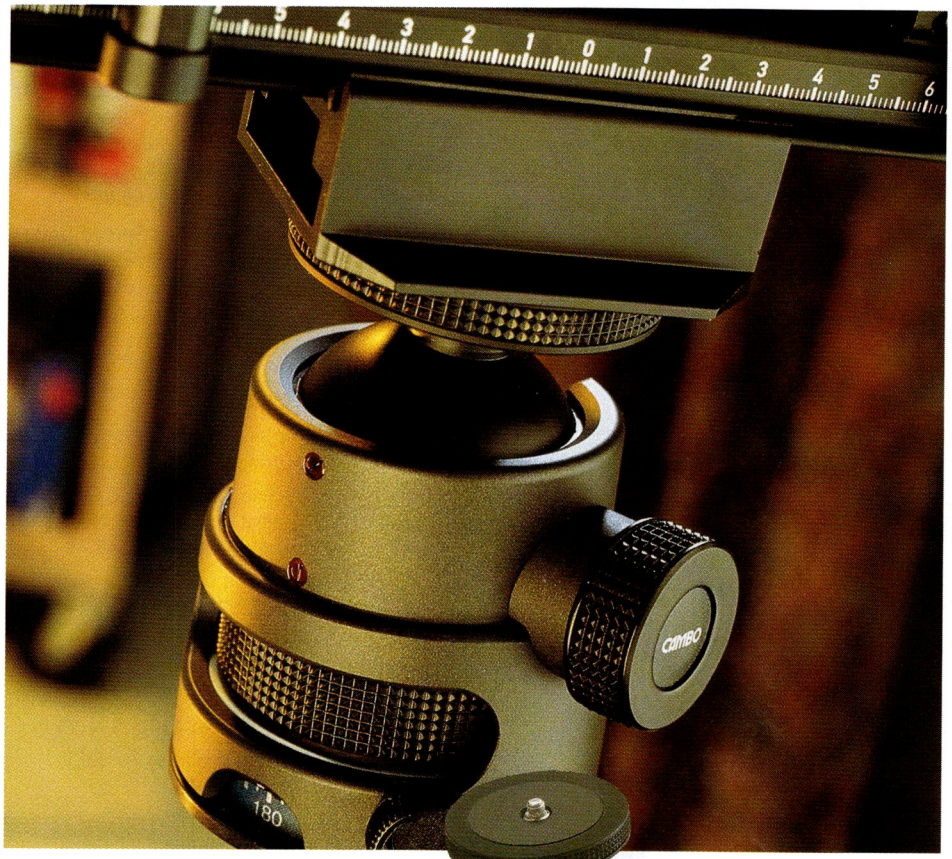
3297 4x4 plate, ¼-20, ⅜ thread
**BG3100 $34.95**

**For Bogen 3030, 3265 and 3435 QR Heads**

3157N ¼-20 thread **BG3964 $9.95**

**For Bogen 3410 Head**

3411 ¼-20 thread **BG3987 $9.95**







## Smooth Operator

### Cambo CBH-5 Ball Head

Cambo's sleekly designed and solidly built ball head is strong enough to hold all format cameras up to 4x5 rock steady during exposure, and is extremely easy to operate on a tripod or studio stand.

The ball head mounts directly to Cambo SR series cameras or to other cameras via a quick release mounting plate. Then simply release the ball locking knob and adjust your camera angle position in any direction and lock it into place with just the twist of a knob. The CBH-5 features 45° ball head movement in all directions, with a slot for 90° tilts.

A tension-adjustment dial allows you to individually set just the right amount of surface tension on the ball so that when it is in the unlocked mode your camera won't flop over, and can be eased into position safely and precisely. The 360° panning movement plate is calibrated for precise directional control and repeatability, and locks firmly in place with a convenient inconspicuous locking knob. The Cambo CBH-5 Ball Head weighs under 2 lbs., measures only 3 x 4¾" with quick release plate.

Ⓐ CBH-5 Ball Head with a quick release mounting plate that fits a ¼-20 thread **CB2721K $299.95**

Cambo CBH-5 Ball Head with ⅜" threaded quick release mounting plate **CB2723K $299.95**

Ⓑ Cambo CBH-5 Ball Head with fixed ¼-20" mounting plate **CB2715 $299.95**

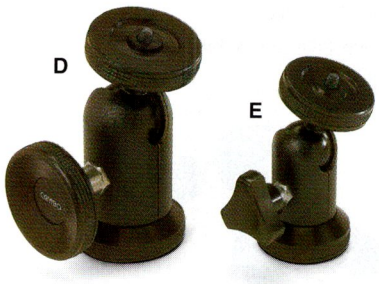
Additional ¼-20 mounting plate **CB2721 $24.95**

Additional ⅜" mounting plate **CB2723 $24.95**



### Cambo 3-D Gearhead

Cambo's precision geared movement has important advantages over standard friction locking ballheads and other 3-D schemes. Minute adjustments are precise and controllable. And because movement is geared, it is self-locking. The Cambo 3-D Gearhead provides 140° of self-locking tilt, 90° forward and 50° back. 180° manual side to side tilt movement features adjustable resistance. Mounts to universal ⅜" threaded tripods. **CB2725 $409.95**




### Ⓓ Cambo CBH-3 Ball Head

For medium format cameras. Features ¼-20 thread, 90° movement forward and backward. Mounts to ⅜" thread.
**CB2710 $149.95**

### Ⓔ Cambo CBH-2 Ball Head

For 35mm cameras. Features ¼-20 thread, 90° movement forward and backward. Mounts to ⅜" thread.**CB2700 $79.95**



### Kirk Quick Release Plates

Specially crafted by Kirk Enterprizes to fit the Cambo CBH-5 Ball Head. Choose from a wide variety of plates to fit your specific camera needs.

| | | |
|---|---|---|
| PT Thick 2-Way body plate w/o pad | KE9040 | $39.95 |
| PB 2-Way Universal Plate | KE9005 | $38.95 |
| PU Plate for Hasselblad w/¼" | KE9150 | $39.95 |
| PRZ Plate for Mamiya 645, 6x7 | KE9167 | $41.95 |
| PC Long, Narrow Universal Plate | KE9010 | $38.95 |
| PN Plate for Nikon 500mm lens | KE9050 | $39.95 |

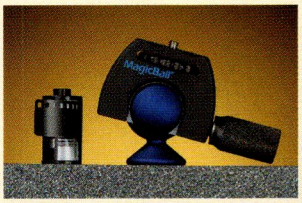



*Mini-MagicBall Head* *MagicBall Head*

### Novoflex MagicBall Head

With this innovative "upside-down" ball-and-socket head, the ball section screws onto the tripod and the moving socket part attaches to the camera so it actually rides over the stationary ball. The result: a quick and simple way to shift the camera from horizontal to vertical position. The MagicBall only weighs 32 oz., yet securely handles up to 22 lbs., proving that this unique design carries much heavier loads than conventional ball heads of similar size and weight.
**NF3310 $299.95**

MagicBall Head with Miniconnect Base
**NF3315 $349.95**



### Mini-MagicBall Head

Weighs only 11.5 oz. (one-third the weight of the MagicBall), yet will hold cameras up to 11 pounds. Ideal for use on monopods and small tripods.
**NF3330 $159.95**

### Panorama-Plate

Offers 360° panning with spirit-level for optimal horizontal alignment. Measures 3.6 x 1.5 x .75".
**NF3325 $79.95**



### Majestic 1000-E Tripod Head

This precision geared head comes complete with a 3x3⅝" camera mounting platform which can be interchanged with accessory platforms of other sizes for different camera needs. Its ⅜" threaded base fits most professional tripods and studio stands. Features geared movement of 90° forward and 30° backward, with manual side tilts of 20° left and right. Comes complete with ¼-20 and ⅜" camera threads.
**MJ1001 $299.95**

**Majestic Accessory Platforms**

| | | |
|---|---|---|
| 6 x 7" Platform | MJ0400 | $26.95 |
| 6 x 4" Platform | MJ0401 | $27.95 |
| 3 x 3⅝" Platform | MJ0402 | $27.95 |
| 4½" Round Platform | MJ0404 | $29.95 |

### Quick Release Tripod Mounts

If you ever need to go from tripod to hand-held shooting when seconds count (and when don't they?), quick release can make all the difference and Calumet has a full selection from which to choose.



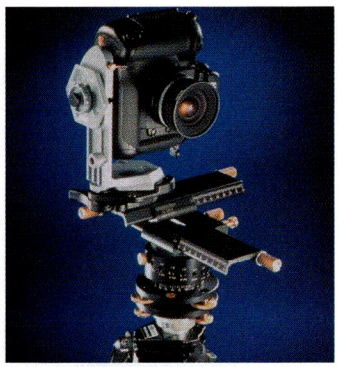
### Bogen 3270 Quick Release

This versatile, low profile unit is fully compatible with ⅜" and ¼-20 threads. Features easy-to-use lever release. Includes base plate and rectangular camera plate.
**BG3975 $29.95**



### Bogen 3296 Quick Release

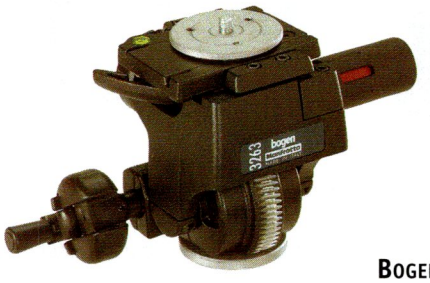
Provides any tripod with smooth quick release capabilities. Fastens quickly to existing tripod heads with ¼-20 or ⅜" threads. Includes hexagonal camera plate, base plate and ⅜" screw. **BG3977 $39.95**



### Bogen 302Plus Quick Time VR Plus Kit

Perfect for precise panoramic sequencing and extreme macros. This multi-purpose camera positioning kit features a leveling base, panoramic head and micro positioning plates to ensure the optical center of the lens or subject center is above the point of rotation to avoid parallax errors and ensure perfect object mapping sequence. Precise geared movement of the two sliding plates position the camera on the panoramic axis of rotation. The Micro Positioning Sliding plates provide finger tip, fine adjustment of the gear drive to move the plates forward, back and side to side. Suitable for most 35mm SLR, medium format still and digital cameras. **BG3037 $449.95**

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### Bogen #3263 Deluxe Geared Head

Designed especially for large and medium format cameras to offer the ultimate in precision 3-way geared adjustment and control. Self-locking fold away cranks allow 360° pans, +30° and -90° tilts. A comfortable grip handle lets you level ±7.5° side-to-side with a bubble level to aid in precise positioning. There are also three quick release plates at different height to accommodate all types of cameras. **BG1306 $499.95**



### Bogen #3275 410 Compact Gear Head

Designed for use with 35mm and medium format cameras. Utilizing easy-to-adjust knobs, the 410 offers precise geared movements in three directions: pan, tilt and side-to-side. An added feature is the ability to disengage the gear movement, which allows you to set the camera quickly, and then engage the geared movements for final adjustment. The 410 comes with a bubble level and a quick release plate with ⅜" and ¼-20 camera screws.
**BG1308 $164.95**



### Stroboframe QRC Auto Quick Release

QRC's base plate is a spring-loaded clamp that locks when the camera plate is pressed into position. To release the camera, simply press a tab on the based plate, and lift. Sturdy enough for heavy-duty use on medium format cameras, and even 4x5 field cameras up to 5 lbs. maximum.**SO7632 $69.95**

Camera release plate for Stroboframe QRC
**SO7634 $17.95**

### Cambo Model 20 Passport Camera

Ideal for passport or I.D. pictures, the Model 20's two 125mm fixed focus lenses provide the proper size pictures on Polaroid color or black & white pack film. Takes two identical pictures or two individual shots. Adjustable aperture and shutter speeds allow use of flash or ambient light. Includes tripod mount, hand grip, viewfinder, Polaroid film holder, digital processing timer, P.C. connector and cable release.
**CB0601 $859.95**

### Cambo Model 40 Camera

Four-lens camera that takes four identical, four individual or two sets of two identical exposures. Each measures 36mm x 46mm. Includes viewfinder, film holder for Polaroid pack film, P.C. connector and cable release. **CB0602 $879.95**






### Polaroid Model 243 Passport Cutter

This heavy-duty, 2x2" Passport Cutter offers easy operation and will cut all standard Kodak or Polaroid prints.
**P08030 $249.95**

### Passport Folders

Specially coated folders designed to hold two – 2x2" Polaroid passport pictures. Package of 500. **P08500 $38.95**




### Polaroid ID-200 Camera System

Produce tamper-resistant, full color ID cards in minutes with Polaroid's portable ID photo camera. The system includes a hand-held camera with flash, heat laminator, a die-cutter, and data card maker software (Windows). This easy-to-use camera produces two photo ID cards with portrait, signature or other customized information on a single sheet of Polaroid pack film. Flash requires 4 AA batteries.
**P02805K $999.00**

**ID-200 System Components**

| | | |
|---|---|---|
| ID-200 Camera and Flash | P02810 | $669.95 |
| ID Cutter | P02830 | $189.95 |
| ID Laminator | P02840 | $189.95 |
| Card Maker Software | P02820 | $99.95 |

**Polacolor I.D. Ultraviolet Film**

Twinpack (2 10-exp. packs)
**PS71195 $28.99**
**(25 or more: $26.99 ea.)**

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### Polaroid Miniportrait 203 Instant Camera

A versatile two-lens camera that can easily put you into the profitable side business of passport photography! New features include electronic shutter; built-in electronic flash; sonar ranging device; interchangeable film holders and automatic developer timer. Comes complete with 73C Film Holder and uses Polacolor Type 669, and Polaroid b&w Types 667 and 665 films. **P03000 $649.95**

**Miniportrait 203 Accessories**

| | | |
|---|---|---|
| Cable Release | P03012 | $27.95 |
| 120v Power Adapter | P03011 | $89.95 |




### Miniportrait 206

The Miniportrait 206 is ideal for moderate volume locations. Features include a switch for one or two different images per frame, aiming light framing aid, LED display with clearly visible user prompts and a built-in development timer. The 206 is designed to be tripod mounted and AC-power operated.
**P03001 $449.95**

### Miniportrait 206B

The 206B offers the same features as the 206, except that the camera is battery powered for easier use in hand-held situations.
**P03003 $539.95**



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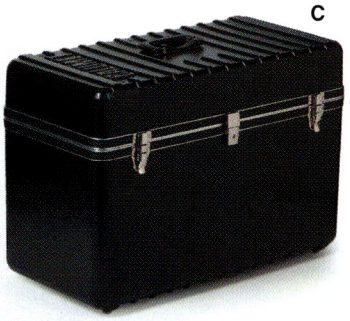



### Miniportrait 207

For basic passport photography, the Miniportrait 207 is an ideal solution. It offers a double portrait on an individual piece of film and an economical but effective framing aid with a clear viewfinder with template for accurate subject positioning. The 207 also fits standard remote cable releases, can be mounted on a tripod or stand and includes a flash hot shoe. **P03005 $399.95**

# View Camera Cases




Calumet is a Full-line Dealer

### Ⓐ Cambo 4x5 Lightweight Economy Case

This Cordura-covered hard-sided case was designed specially for Cambo Legend and SR Series 4x5 monorail view cameras. Its steel reinforced anti-shock plastic walls and adjustable partitions provide your camera with plenty of protection. The interior is fully-lined and heavy-duty zippered lid ensure safe transport or storage.
**CZ4501 $134.95**

### Ⓑ Calumet Lightweight 4x5 Case

This durable case accommodates Calumet 45-series and Cambo SF-series view cameras. Two movable partitions cradle the monorail as the camera hangs safely below, with tons of padded room for accessories. A tough Cordura nylon shell protects steel reinforced anti-shock plastic walls. Made with heavy-duty zippers, clasps, and webbing to take the punishment of location work.
**CZ3701 $127.95**

### Ⓒ Calumet 4x5 Deluxe Molded Case

The two main partitions of this rugged case slide smoothly, yet snugly into pre-cut slots along the length of the case. This allows the user to modify the case's interior configuration to fit a number of different types of cameras. It features a fully-padded interior, as well as a tongue-groove closure of the lid and upper lip for protection against dust and moisture. The Deluxe case is made of tough polyethylene, finished in matte black. Comes with key.
**CY1000 $189.95**

### Lightware V4000 View Camera Case

This case is ideal for the Cambo SF, Sinar F, F1 and F2 view cameras. In addition, it can hold film, film holders, Polaroid or head pouches filled with additional lenses and accessories. The camera rail rests on the notched dividers upside down and is ready to travel. **LI3000 $305.95**

### Lightware V4300 Power View Camera Case

This larger version of the V400 case also includes moveable dividers to securely hold a Cambo Legend, Sinar P2, Horseman LX, Linhoff, Arca Swiss or all similar monorail or off-axis 4x5 view cameras. **LI3004 $405.95**

### Lightware V4001 Multi View Camera Case

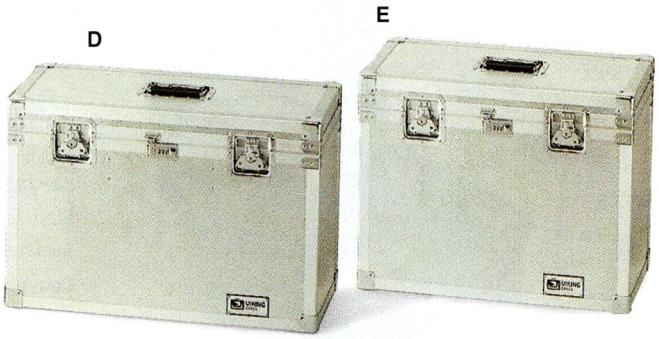
This large multi-purpose case can hold just about any 4x5 view camera available. The camera securely rests in a special removable "cradle" for the rail. The compartments on either side can store extra lenses and accessories. Additional dividers are included to cushion smaller cameras.
**LI3045 $376.95**

### Tenba 1026 Air Case

Its two moveable dividers are grooved to securely hold any 4x5 camera. Also features a lock-down strap, and extra room for film holders, extra lenses, Polaroid, etc. Also recommended to hold the Bowens wind machine and carousel trays. **TE4500 $330.00**

### Tenba 1026 Rolling Air Case

The above case design with wheels for easy travelling. **TE3835 $480.00**




### Ⓓ Calumet 4x5 Aluminum Case

This heavy-duty case features a textured aluminum exterior, with double-protected edges and triple-reinforced corners for maximum strength and endurance. The lid features a tough piano hinge and positive locking tongue-and-groove closure for extra protection against dust and moisture. Features inch thick walls with ½" padded foam, and an interior with ample room for your essentials. Built-in Presto combination lock. **VK5454 $289.95**

### Ⓔ Cambo 4x5 Aluminum Case

Same as Calumet's aluminum version, but sized to fit Cambo Legend and SR Series 4x5 view cameras.
**VK4500 $289.95**

| Case | Item Number | Outside Dimensions | Inside Dimensions | Weight |
|---|---|---|---|---|
| Calumet Deluxe Molded Case | CY1000 | 17(h) x 12(w) x 25½"(l) | 12(h) x 10¼(w) x 24¼"(l) | 13½ lbs. |
| Calumet Lightweight 4x5 Case | CZ3701 | 17(h) x 12(w) x 22½"(l) | 16(h) x 10½(w) x 21½"(l) | 11½ lbs. |
| Cambo Economy 4x5 Case | CZ4501 | 18½(h) x 13½(w) x 22"(l) | 16½(h) x 12½(w) x 21"(l) | 12.65 lbs. |
| Calumet 4x5 Aluminum Case | VK5454 | 17½(h) x 12(w) x 25¾"(l) | 15(h) x 10¼(w) x 23½"(l) | 22½ lbs. |
| Cambo 4x5 Aluminum Case | VK4500 | 18(h) x 14¾(w) x 22½"(l) | 15(h) x 12½(w) x 20½"(l) | 22 lbs. |
| Cadet View Camera Case | CC3500 | 13½(h) x 10(w) x 19"(l) | 11½(h) x 9¼(w) x 18"(l) | 8½ lbs. |
| Tenba View 45 Air Case | TE3835 | 19(h) x 13½(w) x 24"(l) | 16½(h) x 11(w) x 21½"(l) | 11 lbs. |
| Tenba Rolling View 45 Air Case | TE4500 | 19(h) x 13½(w) x 24"(l) | 16½(h) x 11(w) x 21½"(l) | 16 lbs. |
| Lightware View Camera Case | LI3000 | 18(h) x 11½(w) x 24½"(l) | 15(h) x 8½(w) x 21½"(l) | 9¼ lbs. |
| Lightware Power View Camera Case | LI3004 | 21(h) x 15(w) x 27"(l) | 18(h) x 12(w) x 24"(l) | 12 lbs. |
| Lightware Multi View Camera Case | LI3045 | 21(h) x 17½(w) x 27"(l) | 18(h) x 14½(w) x 24"(l) | 14½ lbs. |

# Pelican Cases: Total Equipment Protection

Watertight, unbreakable and corrosion proof. Pelican Protector cases have not only evolved into the most rugged, abuse-proof cases around, but also offer unique ways of organizing your gear. The cases are so durable and weatherproof, they are used by search and rescue teams and photography expeditions in places like the Sahara Desert, the Amazon Jungle and the Himalayan Mountains. Best of all, you can configure the inside of your case to custom-fit your equipment.

### 1120 Case

Outside: 8½(l) x 6½(w) x 3¼"(d)
Inside: 7½(l) x 4¾(w) x 3⅛"(d)
Weight: 1 lb.

| | | |
|---|---|---|
| 1120 Case w/foam insert (black) | PV1129 | $19.95 |
| Replacement Foam (3 pieces) | PV1120 | $5.49 |

### 1150 Case

Outside: 9¼(l) x 7¾(w) x 4½"(d)
Inside: 8½(l) x 6(w) x 3¾"(d)
Weight: 1.5 lbs.

| | | |
|---|---|---|
| 1150 Case w/foam insert (black) | PV1159 | $25.95 |
| Replacement Foam (3 pieces) | PV1151 | $8.95 |

### 1200 Case

Outside: 10¾(l) x 9¾(w) x 5"(d)
Inside: 9½(l) x 7½(w) x 4½"(d)
Weight: 2.7 lbs.

| | | |
|---|---|---|
| 1200 Case w/foam insert (black) | PV1206 | $35.95 |
| Replacement Foam (3 pieces) | PV1201 | $10.95 |

### 1300 Case

Outside: 10¾(l) x 9¾(w) x 7"(d)
Inside: 9½(l) x 7½(w) x 6½"(d)
Weight: 3.15 lbs.

| | | |
|---|---|---|
| 1300 Case w/foam insert (black) | PV1305 | $44.95 |
| Replacement Foam (4 pieces) | PV1301 | $13.95 |

### 1400 Case

Outside: 13(l) x 12(w) x 6"(d)
Inside: 12¼(l) x 9¼(w) x 5¼"(d)
Weight: 4.2 lbs.

| | | |
|---|---|---|
| 1400 Case w/foam insert (black) | PV1406 | $67.95 |
| Replacement Foam (3 pieces) | PV1401 | $19.95 |

### 1450 Case

Outside: 16(l) x 13(w) x 7"(d)
Inside: 15(l) x 10½(w) x 6"(d)
Weight: 6.1 lbs.

| | | |
|---|---|---|
| 1450 Case w/foam insert (black) | PV14502 | $86.95 |
| 1450 Case w/dividers (black) | PV14509 | $115.95 |
| Replacement Foam (3 pieces) | PV1451 | $23.95 |
| Divider Set | PV1455 | $48.95 |

### 1500 Case

Outside: 18½(l) x 15¼(w) x 6⅞"(d)
Inside: 17(l) x 11¾(w) x 6"(d)
Weight: 6.4 lbs.

| | | |
|---|---|---|
| 1500 Case w/foam insert (black) | PV15006 | $101.95 |
| 1500 Case w/dividers (black) | PV15009 | $123.95 |
| Replacement Foam (3 pieces) | PV1501 | $28.95 |
| Divider Set | PV1505 | $54.95 |



*1520 Case shown with optional Covertible Travel Bag*

### 1520 Case

Outside: 19¼(l) x 15½(w) x 7½"(d)
Inside: 18(l) x 12⅞(w) x 6¾"(d)
Weight: 8 lbs.

| | | |
|---|---|---|
| 1520 Case w/foam insert (black) | PV15202 | $112.95 |
| 1520 Case w/dividers (black) | PV15208 | $143.95 |
| Replacement Foam (3 pieces) | PV1521 | $34.95 |
| Divider Set | PV1525 | $76.95 |



*1550 Case*

### 1550 Case

Outside: 20½(l) x 16¾(w) x 8½"(d)
Inside: 19(l) x 14(w) x 7¾"(d)
Weight: 9.9 lbs.

| | | |
|---|---|---|
| 1550 Case w/foam insert (black) | PV15502 | $127.95 |
| 1550 Case w/dividers (black) | PV15508 | $173.95 |
| Replacement Foam (4 pieces) | PV1551 | $39.95 |
| Divider Set | PV1555 | $96.95 |

### 1600 Case

Outside: 23¼(l) x 20¾(w) x 9"(d)
Inside: 22(l) x 17(w) x 8"(d)
Weight: 12.1 lbs.

| | | |
|---|---|---|
| 1600 Case w/foam insert (black) | PV16002 | $152.95 |
| 1600 Case w/dividers (black) | PV16008 | $199.95 |
| Replacement Foam (4 pieces) | PV1601 | $56.95 |
| Divider Set | PV1605 | $101.95 |



*1650 Case shown with optional Lid Organizer*

### 1650 Case

Outside: 31½(l) x 20¾(w) x 11½"(d)
Inside: 29(l) x 18(w) x 10½"(d)
Weight: 21.1 lbs.

| | | |
|---|---|---|
| 1650 Case w/foam insert (black) | PV1650 | $220.95 |
| 1650 Case w/dividers (black) | PV1654 | $285.95 |
| Replacement Foam (4 pieces) | PV1651 | $63.95 |
| Divider Set | PV1655 | $119.95 |

### 1700 Case

Outside: 37(l) x 17½(w) x 6"(d)
Inside: 36(l) x 13½(w) x 5"(d)
Weight: 14.7 lbs.

| | | |
|---|---|---|
| 1700 Case w/foam insert (black) | PV1700 | $173.95 |
| Replacement Foam (3 pieces) | PV1701 | $39.95 |

### 1750 Case

Outside: 52(l) x 17½(w) x 6"(d)
Inside: 50¾(l) x 13½(w) x 5"(d)
Weight: 22.1 lbs.

| | | |
|---|---|---|
| Black Case | PV1750 | $193.95 |
| Replacement Foam (3 pieces) | PV1751 | $48.95 |

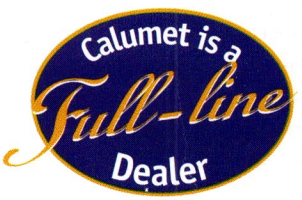
### Convertible Travel Bag

This bag instantly converts a 1520 hard case to a soft bag. The Travel Bag fits perfectly into the 1520 case. For short day trips, just pull out the travel bag, sling it over your shoulder and you're ready to go without rearranging anything.
17½(l) x 12½(h) x 6¼"(d) **PV1527 $81.95**

### Ballistic Nylon Lid Organizers

These convenient lid inserts help keep your small essentials of order as you travel. Made of waterproof Ballistic nylon with nylon zippers and mesh pockets. Easily installed in seconds.

Lid Organizer for 1500/1520 Case **PV1508 $16.95**
Lid Organizer for 1650/1654 Case **PV1510 $29.95**



# Lightware Multi Format Cases

Lightware Cases are built around a special rigid inner shell that is lightweight, insulative, shock absorbent and molded into one piece. This material has greater impact strength and rigidity than steel, aluminum or fiberglass. Each case includes a set of special foam-covered, shock-resistant dividers which are adjustable and repositionable to create your own interior design.



**Ⓐ MF1217 Multi Format Case**
Outside: 19(l) x 14(w) x 8"(h)
Inside: 17(l) x 12(w) x 6"(h)
**LI2100 $259.95**

**MF1420 Multi Format Case**
Outside: 22(l) x 16(w) x 8"(h)
Inside: 20(l) x 14(w) x 6"(h)
**LI2000 $289.95**

**MF1623 Multi Format Case**
Outside: 25(l) x 18(w) x 10"(h)
Inside: 23(l) x 15½(w) x 8"(h)
**LI2050 $349.95**

Calumet is a Full-line Dealer



**Ⓑ MF2012 Multi-format Carry-On**
Whether you're a seasoned traveler or only an occasional tourist, you should know that some airlines are now restricting the size of items you are allowed to bring on board. Designed to fit through the new 9 x 14 x 22" template at the security check-in point, the MF2012 still gives you space to carry a bunch of medium format or 35mm equipment with you. Outside: 22 (l) x 14 (w) x 9" (h). Inside: 20 (l) x 12 (w) x 7" (h). Weighs 6.5 lbs.
**LI2060 $299.95**

*Additional Divider Kits Available. Call for details.*




**Ⓒ BP1417 GripPack**
This backpack serves as a great shooters bag as well as a travel bag. Comes with a removable, structured insert that has moveable dividers. Also features an interior net pocket, a hidden pocket, abrasion resistant bottom, ergonomic shoulder straps, two D rings and two side pockets. Outside: 14 (l) x 7 (w) x 17" (h). Weighs 2 lbs. **LI6530 $159.95**

**LD3100 Small Light Duffel**
Made from durable, black ballistics fabric accented with our red strip, this Duffel is built to last the rigors of airline travel time after time. Outside: 24 (l) x 11 (w) x 12.5" (h). Inside: 17 (l) x 10.5 (w) x 12" (h). Weighs 3 lbs. **LI9020 $164.95**

*Other sizes available. Call for details.*




## Case Accessories

**Multi Z Pockets**
These pockets attach directly on to your newer (after 6/1/96) Multi Format Case with Lightware's special Z Pocket design. They serve as mini briefcases to hold all your film and accessories. The mesh film pocket is detachable for easy transport.

Z1412 fits MF1420 and MF1217.
**LI6501 $124.95**

Z1091 fits MF912, MF1015 and the BP1420 BackPack cases.
**LI6502 $109.95**

**Pocket Pouch**
A great accessory pouch with lots-o-pockets. It attaches to the inside of the lid of your case for easy access. Outside: 19(l) x 13(w) x 1"(h) Weighs .5 lbs. **LI9014 $59.95**

**Z Lens Holders**
These new cases safely protect any 300mm 2.8, 400mm 2.8 and 600mm F4 long lenses. A quick release Fastex buckle allows you to close the lid easily and the permanent adjustable shoulder strap helps bear the load for easy handling.

**Ⓓ Z300 Case**
Outside: 7½(l) x 8(w) x 15(h)"
Inside: 6(l) x 5½(w) x 11(h)"
Weighs 2 lbs. **LI6503 $149.95**

**Z400 Case**
Outside: 9(l) x 9(w) x 18½(h)"
Inside: 7¼(l) x 7¼(w) x 15(h)"
Weighs 3 lbs. **LI6504 $164.95**

**Z600 Case**
Outside: 9½(l) x 9¾(w) x 23(h)"
Inside: 7½(l) x 7½(w) x 18½(h)"
Weighs 4 lbs. **LI6506 $174.95**

**Ⓔ Z•Pocket Camera Holder**
This padded camera pocket attaches directly to any or all three sides of the Long Lens Case. It holds most 35mm camera bodies include the Nikon F5 and Canon EOS with motor drives. Inside: 5½(l) x 2¼(w) x 8½(h)" **LI6500 $64.95**

**Shoulder Strap**
Adjustable length, padded strap.
**LI6000 $24.95**

## Lightware is for the Photographer on the Go!



### GripStrip Belt System

For the traveling photographer who has everything except a free hand to take a photograph. Lightware's new GripStrip Belt System includes uniquely designed pouches for film, medium format film backs, Polaroid backs, meters, lenses, tools, cell phones and a whole lot more. Attach the pouches to your belt or Lightware's padded belt and be free!

**Grip Strip Starter Kit**
Includes Padded Grip Belt, Small Pouch, Raw Film Pouch and Exposed Film Pouch. **LI4020 $139.95**

**Fleece Medium Storage Pouch**
These pouches are made with soft polar fleece interiors. They include drawstring closures and clip to the Padded Grip Belt. Measures 4(l) x 4(w) x 9.5"(h) **LI4024 $29.95**

**Padded Small Lens Pouch**
For smaller 35mm or medium format lenses. Features side mesh pockets, a grab handle on top and a closure system that automatically pulls up an interior rain fly. Measures 3.5(l) x 2.75(w) x 5.5"(h) **LI4030 $44.95**

**Meter Case Medium**
Designed for most light meters, on-camera flashes, small battery packs, cell phones. Includes a quick release buckle closure. Measures: 3.5(l) x 2.5(w) x 7.75"(h). **LI4038 $34.95**

**Film Back Pouch**
Holds all popular medium format film backs, a Leica M6 or Contax G2 camera. Includes quick release buckle closure system. **LI4046 $39.95**

**Water Bottle Pouch**
Includes watter bottle and can also hold an aluminum coffee mug.
**LI4048 $23.95**

**Multi Polaroid Back Pouch**
Comes with two pen holders and a hook and loop patch to attach a small pocket timer. Also has a front mesh pocket stores exposed Polaroids and a quick release closure. Measures 4.5(l) x 1.5(w) x 7.25(h)"
**LI4052 $39.95**

**GS902C Masking Kit for Cambo**
Includes nine masks designed to be placed on the ground glass of your 4x5 camera. Masks indicate your cropping area in relation to the image area of the roll film back format you are using (6x4.5, 6x6, 6x7, 6x8, 6x9, 6x12, and 6x17cm) or the proportional spread or page you are shooting for (11 x 17, 8.5 x 11")
**LI4061 $44.95**



Super Pro 614



Extended Professional 613



System 6



TQ8610 opened and closed

# Tamrac

## Pro 35mm System Bags

Full featured bags include Double Lens-Bridge for long-lens-mounted cameras and Dual Action Top for security and fast access. There's pockets galore: Pop-Off Film, Zip-Drop, mesh accessory and compartmentalized pockets, plus two flapped end pockets.

### Super Pro 614

Tamrac's largest, full-featured Lens-Bridge bag. Holds 35mm and medium format systems.
Inside Dimensions: 18(l) x 10(w) x 9"(d)

- Strobe/Lens Hatch for units up to 17" long
- Inside top meter pocket and front pocket holds accessory ToolPak

| | | |
|---|---|---|
| Black | TQ6144 | $263.95 |
| Gray | TQ6145 | $263.95 |
| Navy | TQ6143 | $263.95 |

## Medium Format Bags

These travelling medium format bags have pockets o'plenty: Zip-Drop, Pop-Off Film, mesh accessory, front and rear zippered, and side buckled. Also Dual Action Tops and foam padded leather shoulder pads and carrying handles.

### Medium Format Bag 622

A "full system" bag for two or more cameras.

- Scooped strobe dividers
- Accepts accessory ToolPak in front pocket

Inside Dimensions: 15 x 8 x 9"

| | | |
|---|---|---|
| Black | TQ6226 | $199.95 |
| Gray | TQ6227 | $199.95 |
| Navy | TQ6228 | $199.95 |

### Action Medium Format Bag 620

With Speed Flap Top for quick-draw, light travelling shooters. I.D.: 12½ x 6 x 8"

| | | |
|---|---|---|
| Black | TQ6204 | $125.95 |
| Gray | TQ6205 | $125.95 |
| Navy | TQ6203 | $125.95 |

## Tamrac Accessory

### Photographer's ToolPak

The perfect accessory bag.
**TQ1125 $19.95**

### Extended Professional 613

For the outdoor and action photographer. Large enough to hold a full camera system, small enough to fit under most airline seats.
Inside Dimensions: 15 x 8 x 9"

- Front Speed Pocket for fast access without opening bag
- Inside meter pocket and front pocket holds ToolPak
- Strobe/Lens Hatch for units up to 14" long

| | | |
|---|---|---|
| Black | TQ6135 | $228.95 |
| Gray | TQ6136 | $228.95 |
| Navy | TQ6137 | $228.95 |

### Pro System 608

Its compact size makes it a favorite among photojournalists. Inside Dimensions: 13 x 6 x 8"

| | | |
|---|---|---|
| Black | TQ6085 | $134.95 |
| Gray | TQ6086 | $134.95 |
| Navy | TQ6087 | $134.95 |

## Modular Accessory System (M.A.S.)

These components can be quickly attached to any belt or Tamrac products that have the M.A.S. quick attachment system, including Extreme Series Packs.

### M.A.S. Modular Accessory Belt (MBX 370)

Dimensions: 48 (l) x 5" (w)
**TQ8700 $24.95**

### M.A.S. Lens Case – Medium (MX 375)

Inside Dimensions: up to 3¼" diameter x 4½" (h)
**TQ8702 $15.95**

### M.A.S. Lens Case – Large (MX 378)

Inside Dimensions: up to 3¼" diameter x 6¾" (h)
**TQ8704 $16.95**

### M.A.S. Accessory Pocket – Small (MX 382)

Inside Dimensions: 3½ (w) x 1¾ (d) x 5" (h)
**TQ8706 $16.95**

### M.A.S. Accessory Pocket – Medium (MX 384)

Inside Dimensions: 3¾ x 1¾ (d) x 6½" (h)
**TQ8708 $18.95**

## Extreme Series Photo Backpacks

Tamrac has used new high performance materials throughout the Extreme Series products.
Extreme Backpack features include:

- Quickclip tripod attachment
- Attachment slots for all MAS products
- Super contoured backpack harnesses
- Shoulder strap connections
- Double handles
- Mesh front pockets
- Deep rain flaps

Bags listed here are Black, Power Grid Cordura. Also available in Forest Green Power Grid Cordura or Black Power Grid nylon with Spectra.

### 757 PhotoPack

I.D.: 10 (w) x 5 (d) x 9½" (h)
**TQ8600 $187.95**

### 767 Photo Trail Backpack

I.D.: 10½ (w) x 6 (d) x 14" (h)
**TQ8605 $185.95**

### 777 Summit Photo Backpack

I.D.: 10½ (w) x 6 (d) x 16½" (h)
**TQ8610 $262.95**

### 787 Extreme Super Photo Backpack

I.D.: 10¾ (w) x 6 (d) x 19¾" (h)
**TQ8615 $290.95**

### M.A.S. Water Bottle w/Padded Carrier (MX 398)

Inside Dimensions: up to 3" diameter x 6" (h)
**TQ8714 $21.95**

### M.A.S. Film Management Pack (MX 387)

Holds up to 20 rolls of film in one of two zippered compartments. Each internal compartment measures 5¼ (w) x 2⅜ (d) x 8" (h)
**TQ8710 $32.95**

### M.A.S. Filter Belt Pack (MX 388)

With five padded slots which hold filters up to 82mm Ø. I.D.: 4 (w) x 1¼ (d) x 4" (h)
**TQ8712 $21.95**

### M.A.S. Large Padded Extreme Series Backpack Pockets (SPX 777)

Size: 5¾ (w) x 2½ (d) x 13¾" (h)
**TQ8716 $46.95**

### M.A.S. Extra Large Padded Extreme Series Backpack Pockets (SPX 787)

Size: 5¾ (w) x 2½ (d) x 16" (h)
**TQ8718 $54.95**

## Tenba

In Tibetan, Tenba means strong, reliable and honest. Based on their name, it's no wonder that Tenba bags are guaranteed for five years against everything but deliberate destruction. If your bag is no longer serviceable within five years of the date you bought it, just return it to Tenba for free. The Tenba Guarantee gives you 100% coverage on every part, inside and out, fabric closures, buckles and stitching.




### Pro Paks

These tough, practical and hard-working bags are equipped with roomy pockets, inside and out, for film and bulky accessories. Pro Paks are extremely durable because they're made of Cordura Nylon, but feature the exclusive Pants Protector Panel that keeps the rough Cordura from chafing your clothes. These waterproof bags feature improved buckles and closure systems plus a special high-frequency- vibration-dampening foam that supplements the bottom panel padding. Available in black.

**Ⓐ P995**
This substantial pack holds a 300mm lens vertically. Includes 16" mid-divider and 6 side dividers. 16(l) x 9½(h) x 7"(d). Holds two medium format cameras, one 35mm SLR, one flash and up to six lenses. **TE4000 $259.95**

**P595**
Features 12" mid-divider and 5 side dividers. 12(l) x 7(h) x 7"(d). Holds two medium format cameras, one flash and up to four lenses. **TE4045 $174.95**

**P795**
Features 16" mid-divider and 6 side dividers. 16(l) x 7(h) x 7"(d). Fits two medium format cameras, one 35mm SLR, one flash and up to four lenses **TE4010 $207.95**

Calumet is a Full-line Dealer




*The Tenba Wedding Case*

### Ⓑ Tenba Wedding Case

This case is specifically designed for wedding photographers to carry a camera and small strobe – already set-up, ready for action. It holds any medium format camera with lens, back and compendium hood, attached to any strobe bracket, mounted with any of the large portable strobes. Includes three padded movable inserts to securely hold your camera. I.D.: 22(l) x 9(h) x 11"(d). Weighs 2.9 lbs. **TE4600 $219.95**

**Padded Inserts**
Includes two padded removable dividers measuring 12(l) x 9(h) x 4½"(d) **TE4610 $14.95**

**Magazine Pak**
Protects any medium format magazine. Features inside pocket for a dark slide, belt loop and D ring for shoulder strap. 4(l) x 5½(h) x 2½"(d) **TE4612 $14.95**

**LPZ-4 Lens Pak**
Holds a medium format lens up to 150mm. Includes zippered top, belt loop and D ring for shoulder strap. 5(l) x 5½(h) x 3½"(d) **TE4614 $21.95**




### Pro Travelers

Triple-composite padded bottom offers superior protection from the shock associated with traveling, such as abrupt set-downs and the occasional off-road jeep ride. The front panel is reinforced with a torsion bar for extra protection and to prevent sagging. Double top pockets hold business cards and press passes, while large double-padded end pockets and interior net pockets hold filters, film and other supplies. Choose from divider configurations for either medium format or 35mm camera systems. Available in black.

*All measurements are inside dimensions.*

**Ⓒ 655**
Easily holds two SLR's with winders, small flash and up to four lenses. Measures 12(l) x 9(h) x 6½"(d).
**TE5040 (35mm) $167.95**
**TE5064 (Med.) $167.95**

**675**
This large, yet mobile bag measures 16(l) x 9(h) x 7"(d) with two substantial end pockets. Capacity: two medium format cameras, one 35mm SLR, one flash and up to seven lenses. **TE5050 $207.95**

**695**
The maximum size possible transport. Measures 16(l) x 10(h) x 8"(d) with two roomy end pockets. Holds: two medium format cameras, one flash and up to 10 lenses.
**TE5062 (35mm) $259.95**
**TE5070 (Med.) $259.95**

### Traveler 415

This multi-purpose camera bag, briefcase, video bag, computer bag or travel bag measures 14(l) x 10(h) x 4" to 7"(d). A unique exterior expansion zipper allows you to quickly double the capacity. Holds one 35mm SLR, up to four lenses and one small flash. **TE5000 $115.95**




## It's a Case, Tote and Cart – All in One



### Porter Case

Transport up to 200 lbs. of your gear in the only hard-sided, wheeled, carry-on with a built-in cart! Porter Case's exclusive design eliminates the hassles of carrying cumbersome gear on those long walks to your site or through airport terminals. The airline regulation carry-on Porter Case rolls easily down aisles and will fit under most seats and in overhead compartments. Includes combination lock and 4" wheels with rubber treads. Weighs 11 lbs. Exterior: 22(l) x 14(w) x 8"(h) Interior: 21½(l) x 13¼(w) x 7½"(h) **PR1501 $279.95**

### Porter Photo Plus Case

Same as above w/accessory lid. **PR1503 $329.95**

## Lowepro... We'll help take you places

For over 20 years, Lowepro camera bags and packs have been committed to designing and manufacturing the finest camera bags in the world.
Lowepro bags are made with the highest quality materials to protect your gear from impact, vibration and thermal shock as well as moisture and dust.
Lowepro's commitment is backed by a limited lifetime warranty against defects in materials and workmanship.



*Pro Trekker AW*



*Vest Harness*

**S&F Modular System**



*Shoulder Harness*



*Deluxe Waistbelt*



*Commercial AW*

### Trekking Series
The Trekking series loves outdoor adventures and sports. Created for people on the move, Trekking bags and packs allows for maximum freedom of movement, with minimum fatigue, excellent balance and fast access to equipment.

### The Street & Field Modular System
The S&F system will change the way you carry your photographic equipment. Modular elements let you build your own system to suit your body type, your equipment and your shooting style— and you can change it for every shoot.

### The Professional AW Series
Protection and organization are vital when you're shooting everything from weddings to offshore oil platforms. That's why commercial photographers rely on Professional AW bags to carry extensive camera systems, light gear and a tripod. Interiors can be fully customized for the logistics of the most complex shot.

### The Nova Series
These surprisingly affordable high-tech camera bags feature the T Support, Film Cylinder and the Horizontal/Vertical Divider. There are also Overlap zippers, NoDrop and Security pockets.

### "AW" equals All Weather
Bags featuring "AW" equates to a tucked away cover which provides instant protection from heavy rain, blizzards, dust and sand.

| Trekker AW Backpacks | Color | Item Number | Dimensions (W x D x H) | Weight | Price |
|---|---|---|---|---|---|
| Pro Trekker AW | GN | LP1038 | 12 x 6 x 20.5 | 9.8 lbs | $327.95 |
| Nature Trekker AW | B, GN | LP1059/60 | 11.5 x 6 x 16.75 | 6.0 lbs | $205.95 |
| **The Trekking Series** | | | | | |
| Orion AW | B, GN | LP0602/04 | 13.5 x 5.5 x 7 | 3.6 lbs. | $122.95 |
| Photo Trekker Classic | GN | LP1042 | 13 x 6 x 18H | 5.4 lbs. | $179.95 |
| Mini Trekker | B, GN | LP1062/65 | 12 x 4.5 x 15.5 | 2.4 lbs. | $109.95 |
| Orion Trekker | B, GN | LP0590/92 | 13 x 6.5 x 10.5 | 1.12 lbs. | $61.95 |
| Orion | NB, GN | LP0612/14 | 12.5 x 6 x 6.25 | 1.3 lbs. | $46.95 |
| Sideline Shooter | B, GN | LP1110/12 | 12 x 5 x 6 | 1.01 lbs. | $51.95 |
| Photo Runner | GN, RB | LP1105/06 | 10.5 x 4 x 6.5 | 1.5 lbs. | $44.95 |
| The Stealth Pack | B | LP0320 | 14 x 4.75 x 21 | 5.2 lbs. | $209.95 |
| Topload Zoom AW | B, G, GN | LP1135-37 | 7 x 4.5 x 12 | 1.8 lbs. | $49.95 |
| Off Trail 2 | B, GN | LP1090/92 | 7.25 x 6.5 x 11.5 | 2.2 lbs. | $62.95 |
| **The Street & Field System** | | | | | |
| S&F Light Belt Size 9 or 11 | B | LP3462-64 | Sz 9: 28-40" Sz 11: 32-46" | 8oz/8.3oz | $19.95 |
| S&F Deluxe Waistbelt | B | LP3466-72 | Size XS, S, M, L/XL | 12oz/13oz/14.5oz/1lb. | $39.95 |
| S&F Shoulder Harness | B | LP3474-78 | Size S/M, L or XL | 8.5oz/9.5oz/10.5oz | $39.95 |
| S&F Vest Harness | B | LP3480 | one size | 12.5 oz. | $54.95 |
| S&F Pouch 50AW | B | LP3490 | 4.5 x 3 x 5.5 | 9.0 oz. | $17.95 |
| S&F Specialist 80 | B | LP3526 | 10.5 x 6 x 10.5 | 2.9 lbs. | $109.95 |
| S&F Specialist 85 | B | LP3528 | 11 x 7 x 12 | 2.14 lbs. | $125.95 |
| S&F Toploader 70 | B | LP3522 | 6 x 4.5 x 10 | 2.3 lbs. | $75.95 |
| S&F Rover AW Kit S/M | B | LP3560 | — | 4.5 lbs. | $174.95 |
| S&F Rover AW | B | LP3562 | 11 x 5.5 x 11 | 4.5 lbs. | $134.95 |
| S&F Film Drop | B | LP3496 | 3.33 Dia. x 5 | 5.5 oz. | $21.95 |
| S&F Lens Trekker 600 AW | B | LP3540 | 8.5 x 8.5 x 20.5 | 4.2 lbs. | $139.95 |
| S&F Film Organizer | B | LP3494 | 7 x 3.5 x 6 | 9.0 oz. | $21.95 |
| S&F Reporter Bag 100AW | B | LP3530 | 9.25 x 6 x 6 | 2.3 lbs. | $86.95 |
| S&F Reporter Bag 200AW | B | LP3532 | 9.25 x 6.75 x 7.75 | 2.9 lbs. | $99.95 |
| S&F Reporter Bag 300AW | B | LP3533 | 10.75 x 6.75 x 7.75 | 2.14lbs. | $109.95 |
| S&F Reporter Bag 400AW | B | LP3536 | 12.5 x 6.75 x 9.5 | 3.10lbs. | $129.95 |
| S&F Reporter Bag 500AW | B | LP3538 | 14.25 x 6.75 x 9.5 | 4.2 lbs. | $139.95 |
| **The Professional AW Series** | | | | | |
| Commercial AW | B, G, GN | LP0102-04 | 17 x 9.5 x 9.5 | 6.9 lbs. | $199.95 |
| Magnum AW | B, G, GN | LP0202-04 | 15.5 x 8 x 8.5 | 5.1 lbs. | $164.95 |
| Pro Mag 2 AW | B, G, GN | LP0231 | 11 x 6.75 x 10.5 | 3.4 lbs. | $149.95 |
| Pro Mag 1 AW | B, G, GN | LP0230 | 11 x 4.75 x 10.5 | 2.8 lbs. | $131.95 |
| Compact AW | B, G, GN | LP0206 | 12.5 x 7.5 x 8 | 4.3 lbs. | $127.95 |
| **The Nova Series** | | | | | |
| Nova 5 | B, G, N, GN | LP1200-03 | 14.5 x 6 x 8.5 | 2.9 lbs. | $53.95 |
| Nova 4 | B, G, N, GN | LP1208-11 | 12 x 6.5 x 7.5 | 2.1 lbs. | $49.95 |
| Nova 3 | B, G, N, GN | LP1215-18 | 10 x 6 x 7.5 | 1.9 lbs. | $39.95 |
| Nova 2 | B, G, N, GN | LP1220-23 | 9 x 4.5 x 8.5 | 1.4 lbs. | $36.95 |
| Nova 1 | B, G, N, GN | LP1225-28 | 8.5 x 4.5 x 7 | 1.3 lbs. | $32.95 |



*F-1X Little Bit Bigger Bag (Black)*



*F-2 Original Bag (Sand)*



*F-6 Little Bit Smaller Bag (Sand)*



*F-4AF Pro System Bag (Black)*

## Classic Domke Bags

Simple, comfortable and understated, the original style of Domke bags remains a favorite of photographers around the world. Soft, "unstuffed shells" of canvas or Ballistic Nylon with padded inserts or dividers inside for protection and organization. Simple flaps, simple hardware, no clutter: a purist's delight.

### F-1X "Little Bit Bigger Bag"

Features 17 compartments and pockets. Holds 3 bodies, 9 - 13 lenses plus accessories. Includes 4-compartment divider system, non-slip shoulder strap and padded bottom stiffener. Main compartment: 17(l) x 6(w) x 9(d)" (I.D.), Wt: 3¼ lbs.

**DK2002 (Black) $144.95**
**DK2007 (Navy) $144.95**
**DK2008 (Sand) $144.95**

### F-2 "Original Bag"

Features 12 compartments and pockets. Holds 2 bodies, 6 - 10 lenses, plus accessories. Includes 4-compartment divider system, removable handle strap, non-slip shoulder strap and padded bottom stiffener. Main compartment: 12(l) x 6½(w) x 9(d)" (I.D.), Wt: 2 lbs. 9½ oz.

**DK1005 (Black) $99.95**
**DK1007 (Navy) $99.95**
**DK1008 (Sand) $99.95**

### F-6 "Little Bit Smaller Bag"

Features 9 compartments and pockets which can hold two cameras, three or four lenses, flash and accessories. Includes 4-compartment divider, non-slip shoulder strap and removable hand carrying strap. Main compartment: 7(l) x 13(w) x 7.5(d)" (I.D.), Wt: 1 lb. 14 oz.

**DK1220 (Black) $69.95**
**DK1222 (Navy) $69.95**
**DK1223 (Sand) $69.95**

### F-4AF "Pro System Bag"

Features 8 compartments and pockets. Holds fully-loaded 35mm camera body with attached lens, two additional lenses, flash and accessories. Includes two compartment dividers, non-slip shoulder strap and removable hand carrying strap. Main compartment: 9(l) x 8(w) x 11(d)" (I.D.), Wt: 2 lbs. 7oz.

**DK1200 (Black) $105.95**
**DK1202 (Navy) $105.95**
**DK1203 (Sand) $105.95**

### F-3X "Super Compact Bag"

The F-3X is the bag to grab when the job doesn't call for your entire arsenal. Features nine compartments and pockets, including zipper pouch inside the flap, a removable padded partition, foam-lined bottom and non-slip strap. Main compartment: 8.5" x 5.5" x 9" (I.D.), Wt: 2 lbs.

**DK1054 (Black) $86.95**
**DK1052 (Navy) $86.95**
**DK1053 (Sand) $86.95**

### F-7 Double AF

Built to carry two complete pro 35mm set-ups, the F-7 features 14 compartments and pockets, and three mesh accessory pockets sewn into oversized weather flap. The removable, adjustable belt features side-release buckle and accessory/key clip. The three padded inserts include two large single-compartments for cameras and a two-compartment for extra lenses. Main compartment: 14(l) x 7(w) x 11(d)" (I.D.), Wt. 4 lbs. 5 oz.

**DK1300 (Black) $146.95**
**DK1301 (Sand) $146.95**

### J1 Journalist

Outside, this bag boast extra-generous cargo pockets with security straps, oversized and fitted weather flaps, double reinforced, abrasion-resistant rear panels,and protective rubber threads. Inside is an innovative Padded Insert system, extra shock protection in key areas and a taller, longer main compartment.

**DK1043 (Black) $136.95**

### Domke Bag Accessories

Add-on compact pouch which can clip to the bag or can be worn on a belt. F-901

**DK2003 (Black) $19.95**
**DK2004 (Navy) $19.95**
**DK2009 (Sand) $19.95**

One Compartment Insert
**DK2005 $13.95**

Two Compartment Insert
**DK2010 $17.95**

Three Compartment Insert
**DK2015 $19.95**

Four Compartment Insert
**DK2020 $19.95**

Backpack strap for FX1 or F2
**DK1012 $16.95**

Waist Strap
**DK1013 $9.95**

Post Office-style shoulder pad
**DK1100 $11.95**



*F-3x Super Compact Bag (Navy)*



*F-7 Double AF (Sand)*

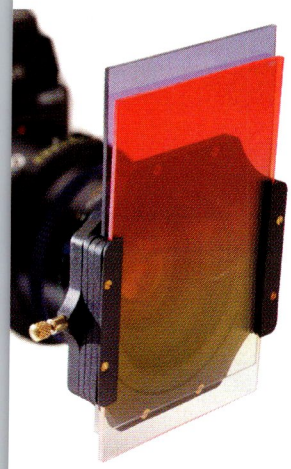


*J1 Journalist (Black)*



*Domke Compartment Inserts*

# Calumet Resin Filters



## Calumet Slide-in Filter Holder

This versatile, rotating 4" filter holder has three filter slots for Calumet's 4 x 4" and/or 4 x 5" Resin Filters or any 4" glass filter. Built-in tension tabs hold filters in place instantly, making filter changes extremely fast, and precise placement of graduated filters a breeze! Can be mounted to nearly any lens with filter threads from 49mm to 105mm, including Hasselblad 50 and 60 Bay Series. Requires lens adapter.
**LE5000 $109.95**

## Lens Adapters

49mm (LE5049), 52mm (LE5052), 55mm (LE5055), 58mm (LE5058), 62mm (LE5062), 67mm (LE5067), 72mm (LE5072), 77mm (LE5077) **Specify $39.95**

50 Bay Series (LE5050), 60 Bay (LE5060), 82mm (LE5082), 86mm (LE5086) **Specify $59.95**

93mm (LE5087), 95mm (LE5088), 105mm(LE5089) **Specify $89.95**

*Also available: wide angle lens adapters for 49mm-82mm*

## Calumet Compendium Lens Shade

This flexible, self-locking bellows lens shade mounts directly to the Slide-in Filter Holder or to most lenses. Requires lens adapter.
**LE5005 $129.95**

## Wide Angle Shade

Ideal for use on large format and panoramic cameras. Features self-supporting bellows and one filter slot. Mounts directly to lens with optional adapter (see below).
**LE5006 $249.95**

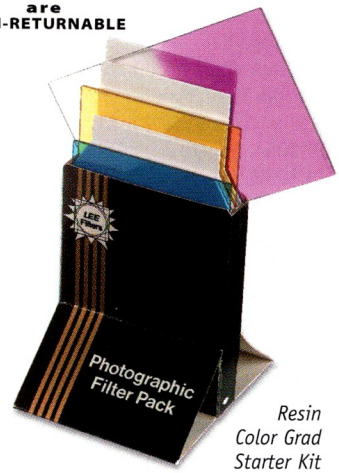
## Wide Angle Shade Lens Adapters

49mm (LE50491), 52mm (LE50521), 55mm (LE50551), 58mm (LE50581), 62mm (LE50621), 67mm (LE50671), 72mm (LE50721), 77mm (LE50771) **Specify $59.95**

82mm (LE50821) **$79.95**




All Resin Filters are NON-RETURNABLE




*Resin Color Grad Starter Kit*

## Resin Starter Kits

Enjoy the "natural look" that can be achieved with our Resin Special and Color Effects Filters, and save 30% when you buy them in these popular starter kits.

**Resin Color Grad Starter Kit**
One each: Cyan, Magenta, and Yellow Graduated filters. **LE5090 $129.95**

**Resin Sky Starter Kit**
One each: Sunset #2 and Sky Blue #3 Graduated filters, and a Coral Stripe filter with a 10mm band of warm coral that can be moved anywhere in frame with optional Slide-in Filter Holder.**LE5091 $129.95**

**Resin Mist Starter Kit**
One each: Mist Graduated filter for "fog over the trees" effect, Mist Stripe for low-lying or foreground fog effects, and Clear Center Spot for portraits. **LE5092 $129.95**

**Resin Selective Star Starter Kit**
One each: Star Graduated filter, with 6pt. starring in the top third of the filter, a Star Segment filter, with 6 pt. star in a triangular section in the filter's corner, and a Star Spot filter, with a 4 pt. star in the center of the filter. Effects can be repositioned with optional Filter Holder.
**LE5093 $129.95**

**Resin Autumn Tints Starter Kit**
One each: Tobacco #2, Coral #6 and Chocolate #2 Graduated filters for subtle variations of tone and color.
**LE5094 $129.95**

**Resin Filter Cleaner**
60ml. bottle. **LE7000 $5.95**
250ml. bottle. **LE7010 $12.95**

## LIGHTWEIGHT AND SHATTERPROOF RESIN FILTERS

Resin filters offer many advantages over glass filters, including lightweight, shatterproof design. These tough, 2mm-thick filters are made under stringent quality controls, with each filter checked to ensure superior optical and color quality. Of special interest is our Graduated Filters; elongated 4 x 5" filters with a 50/50 clear-to-color gradation, available in several grades of intensity from #1 (light) up to #7 (deep). Each Calumet Resin Filter comes in its own soft storage pouch to protect your investment.

### Color Conversion

| 4 x 4" | $57.95 |
|---|---|
| 80A 3200 K to 5500 K | LE6801 |
| 80B 3400 K to 5500 K | LE6802 |
| 80C 3800 K to 5500 K | LE6803 |
| 80D 4200 K to 5500 K | LE6804 |
| 81 Warming –100 K | LE6810 |
| 81A Warming –200 K | LE6811 |
| 81B Warming –300 K | LE6812 |
| 81C Warming –400 K | LE6813 |
| 81D Warming –500 K | LE6814 |
| 81EF Warming –650 K | LE6815 |
| 82 Cooler +100 K | LE6820 |
| 82A.Cooler +200 K | LE6821 |
| 82B Cooler +300 K | LE6822 |
| 82C Cooler +400 K | LE6823 |
| 85 5500 K to 3400 K | LE6850 |
| 85B 5500 K to 3200 K | LE6852 |
| 85C 5500 K to 3800 K | LE6853 |

### Fluorescent

| 4 x 4" | $59.95 |
|---|---|
| Warm White 3600 K w/Daylt. Film | LE6900 |
| White 4300 K w/Daylight Film | LE6905 |
| Cool White 5700 K w/Daylight Film | LE6910 |
| Warm White 3600 K w/Type B Film | LE6915 |
| White 4300 K w/Type B Film | LE6920 |
| Cool White 5700 K w/Type B Film | LE6925 |

### Neutral Density

| 4 x 4" | $79.95 |
|---|---|
| ND .3 (1 Stop) | LE6603 |
| ND .6 (2 Stop) | LE6606 |
| ND .9 (3 Stop) | LE6609 |

### UV

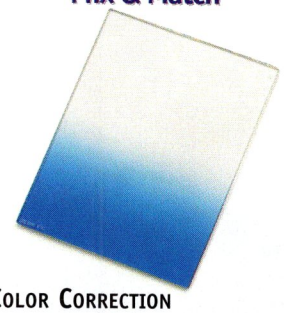
| 4 x 4" | Item | Price |
|---|---|---|
| UV | LE6710 | $67.95 |
| 2B | LE6722 | $67.95 |

### Filters for B&W Film

| 4 x 4" | $84.95 |
|---|---|
| 3 Lt. Yellow | LE6753 |
| 8 Yellow | LE6758 |
| 11 Yellow/Green | LE6760 |
| 12 Deep Yellow | LE6762 |
| 15 Deep Yellow | LE6764 |
| 16 Yel/Orange | LE6766 |
| 21 Orange | LE6768 |
| 23A Light Red | LE6770 |
| 25 Red | LE6772 |

## Buy 6 & Save 10%

Mix & Match



### Color Correction

| 4 x 4" | $57.95 | 4 x 4" | $57.95 |
|---|---|---|---|
| CC025Y | LE6002 | CC025R | LE6302 |
| CC05Y | LE6005 | CC05R | LE6305 |
| CC10Y | LE6010 | CC10R | LE6310 |
| CC20Y | LE6020 | CC20R | LE6320 |
| CC30Y | LE6030 | CC30R | LE6330 |
| CC40Y | LE6040 | CC40R | LE6340 |
| CC50Y | LE6050 | CC50R | LE6350 |
| CC025M | LE6102 | CC025G | LE6402 |
| CC05M | LE6105 | CC05G | LE6405 |
| CC10M | LE6110 | CC10G | LE6410 |
| CC20M | LE6120 | CC20G | LE6420 |
| CC30M | LE6130 | CC30G | LE6430 |
| CC40M | LE6140 | CC40G | LE6440 |
| CC50M | LE6150 | CC50G | LE6450 |
| CC025C | LE6202 | CC025B | LE6502 |
| CC05C | LE6205 | CC05B | LE6505 |
| CC10C | LE6210 | CC10B | LE6510 |
| CC20C | LE6220 | CC20B | LE6520 |
| CC30C | LE6230 | CC30B | LE6530 |
| CC40C | LE6240 | CC40B | LE6540 |
| CC50C | LE6250 | CC50B | LE6550 |

### Graduated*

| 4 x 6" | $67.95 | 4 x 6" | $67.95 |
|---|---|---|---|
| Sky Blue #1 | LE5101 | Coral #6 | LE5126 |
| Sky Blue #2 | LE5102 | Coral #7 | LE5127 |
| Sky Blue #3 | LE5103 | Sunset #1 | LE5141 |
| Sky Blue #4 | LE5104 | Sunset #2 | LE5142 |
| Sky Blue #5 | LE5105 | Sunset #3 | LE5143 |
| Chocolate #1 | LE5111 | Sepia #1 | LE5151 |
| Chocolate #2 | LE5112 | Sepia #2 | LE5152 |
| Chocolate #3 | LE5113 | Sepia #3 | LE5153 |
| Chocolate #4 | LE5114 | Yellow | LE5200 |
| Chocolate #5 | LE5115 | Cyan | LE5210 |
| Coral #1 | LE5121 | Coral | LE5220 |
| Coral #2 | LE5122 | Magenta | LE5230 |
| Coral #3 | LE5123 | Green | LE5240 |
| Coral #4 | LE5124 | Blue | LE5250 |
| Coral #5 | LE5125 | Poppy Red | LE5260 |

### Graduated N.D.*

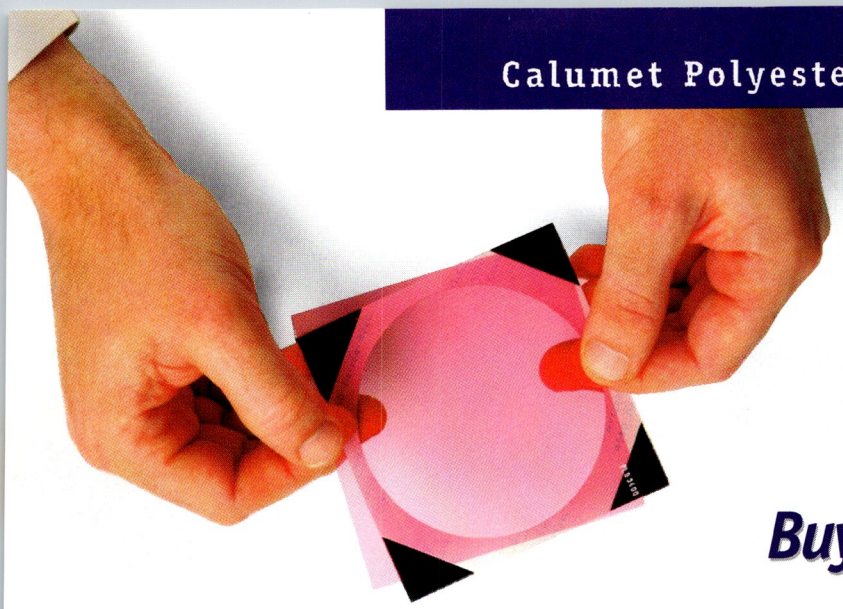
| 4 x 6" | $79.95 |
|---|---|
| ND .3 (1 Stop) | LE5133 |
| ND .6 (2 Stop) | LE5136 |
| ND .9 (3 Stop) | LE5139 |

### Fog

| 4 x 4" | $54.95 |
|---|---|
| Fog #1 | LE6731 |
| Fog #3 | LE6733 |
| Fog #5 | LE6735 |

**Also available in 4x6".*

# Calumet Polyester Filters



## SUPERIOR QUALITY

### Polyester Filters

Polyester filters offer many advantages over the traditional "gelatin" filters, and are priced at a substantial savings!

Polyester filters will withstand the rigors of daily studio or location use for a longer life than gelatin filters. They're impervious to water and can be cleaned quite easily and safely.

A 100 micron (0.1mm) polyester film offers an extremely smooth surface and a highly efficient transmission rate – with no image degradation. Dye colors are fused into the filter and will retain their color value, even after extended use. All polyester filters are fully compatible with Kodak Wratten Gels.

### Calumet Filter Frames

Protect your investment in gelatin and polyester filters with these self-sealing cardboard frames. By mounting each filter between two frames you can extend the life expectancy of that filter immensely!

- Easier handling
- Safer storage
- Quicker identification

Space is provided for writing the filter type and factor on each frame. Package of 30 frames. *Note: Each filter requires two frames.*

4x4" Frames for 4x4" filters.
**CC9035 $18.95**

4x4" Frames for 3x3" filters.
**CC9036 $18.95**

3x3" Frames for 3x3" filters.
**CC9037 $18.95**

## Tips.

### Conversion Filters for Color Films

**80A** Blue filter for exposing daylight balanced color materials in 3200 K tungsten illumination 2-stop increase in exposure.

**80B** Blue filter for exposing daylight balanced color materials in photo-lamp 3400 K illumination. 12/3-stop increase in exposure.

**85B** Amber filter for exposing Type B (tungsten) color materials in daylight. 2/3-stop increase in exposure.

**85C** Amber filter sometimes preferred for exposing Type L and tungsten materials in daylight. Also for Type L film with electronic flash. 1/3-stop increase in exposure.

**CC40R** Corrects fluorescent "green" cast in an emergency. Requires 1 stop exposure increase.

**CC30M** Cures "green" cast when exact type of fluorescent tube is not known. Cleans up flesh tones and whites. Requires 2/3 stop exposure increase.

**Buy 6 & Save 10%**
Mix & Match

| Filters for B&W Film | 3 x 3" | 4 x 4" |
|---|---|---|
| | $10.95 | $17.95 |
| 3 Lt. Yellow | LE3703 | LE4703 |
| 8 Yellow | LE3708 | LE4708 |
| 11 Yellow/Green | LE3710 | LE4710 |
| 12 Deep Yellow | LE3712 | LE4712 |
| 15 Deep Yellow | LE3715 | LE4715 |
| 16 Yellow/Orange | LE3716 | LE4716 |
| 21 Orange | LE3721 | LE4721 |
| 23A Light Red | LE3724 | LE4724 |
| | $14.95 | $28.95 |
| 25 Red | LE3725 | LE4725 |
| 47B Blue | LE3747 | LE4747 |
| 58 Green | LE3758 | LE4758 |
| 87 Infrared | LE3787 | LE4787 |

| Neutral Density | 3 x 3" | 4 x 4" |
|---|---|---|
| | $18.95 | $39.95 |
| ND .3 (1 Stop) | LE3603 | LE4603 |
| ND .6 (2 Stop) | LE3606 | LE4606 |
| ND .9 (3 Stop) | LE3609 | LE4609 |

| UV Correction | 3 x 3" | 4 x 4" |
|---|---|---|
| | $10.95 | $17.95 |
| 1A | LE3711 | LE4711 |
| 2B | LE3722 | LE4722 |
| 2C | LE3723 | LE4723 |

| Soft Focus Filters | 3 x3" | 4 x4" |
|---|---|---|
| | $11.95 | $18.95 |
| Soft #1 | LE3941 | LE4941 |
| Soft #2 | LE3942 | LE4942 |
| Soft #3 | LE3943 | LE4943 |
| Soft #4 | LE3944 | LE4944 |
| Soft #5 | LE3945 | LE4945 |

| Fluorescent | 3 x 3" | 4 x 4" |
|---|---|---|
| | $10.95 | $17.95 |
| Warm White 3600 K * | LE3900 | LE4900 |
| White 4300 K * | LE3905 | LE4905 |
| Cool Wht. 5700 K* | LE3910 | LE4910 |
| Warm White 3600 K** | LE3915 | LE4915 |
| White 4300 K** | LE3920 | LE4920 |
| Cool White 5700 °K** | LE3925 | LE4925 |

**w/Daylight Film* ***w/Type B Film*

| Color Conversion | 3 x 3" | 4 x 4" |
|---|---|---|
| | $10.95 | $17.95 |
| 80A 3200 K to 5500 K | LE3801 | LE4801 |
| 80B 3400 K to 5500 K | LE3802 | LE4802 |
| 80C 3800 K to 5500 K | LE3803 | LE4803 |
| 80D 4200 K to 5500 K | LE3804 | LE4804 |
| 81 Warming – 100 K | LE3810 | LE4810 |
| 81A Warming – 200 K | LE3811 | LE4811 |
| 81B Warming – 300 K | LE3812 | LE4812 |
| 81C Warming – 400 K | LE3813 | LE4813 |
| 81D Warming – 500 K | LE3814 | LE4814 |
| 81EF Warming – 650 K | LE3815 | LE4815 |
| 82 Cooler +100 K | LE3820 | LE4820 |
| 82A Cooler +200 K | LE3821 | LE4821 |
| 82B Cooler +300 K | LE3822 | LE4822 |
| 82C Cooler +400 K | LE3823 | LE4823 |
| 85 5500 K to 3400 K | LE3850 | LE4850 |
| 85B 5500 K to 3200 K | LE3852 | LE4852 |
| 85C 5500 K to 3800 K | LE3853 | LE4853 |

| Color Correction | 3 x 3" | 4 x 4" |
|---|---|---|
| | $10.95 | $17.95 |
| CC025Y | LE3002 | LE4002 |
| CC05Y | LE3005 | LE4005 |
| CC10Y | LE3010 | LE4010 |
| CC20Y | LE3020 | LE4020 |
| CC30Y | LE3030 | LE4030 |
| CC40Y | LE3040 | LE4040 |
| CC50Y | LE3050 | LE4050 |
| CC025M | LE3102 | LE4102 |
| CC05M | LE3105 | LE4105 |
| CC10M | LE3110 | LE4110 |
| CC20M | LE3120 | LE4120 |
| CC30M | LE3130 | LE4130 |
| CC40M | LE3140 | LE4140 |
| CC50M | LE3150 | LE4150 |
| CC025C | LE3202 | LE4202 |
| CC05C | LE3205 | LE4205 |
| CC10C | LE3210 | LE4210 |
| CC20C | LE3220 | LE4220 |
| CC30C | LE3230 | LE4230 |
| CC40C | LE3240 | LE4240 |
| CC50C | LE3250 | LE4250 |
| CC025R | LE3302 | LE4302 |
| CC05R | LE3305 | LE4305 |
| CC10R | LE3310 | LE4310 |
| CC20R | LE3320 | LE4320 |
| CC30R | LE3330 | LE4330 |
| CC40R | LE3340 | LE4340 |
| CC50R | LE3350 | LE4350 |
| CC025G | LE3402 | LE4402 |
| CC05G | LE3405 | LE4405 |
| CC10G | LE3410 | LE4410 |
| CC20G | LE3420 | LE4420 |
| CC30G | LE3430 | LE4430 |
| CC40G | LE3440 | LE4440 |
| CC50G | LE3450 | LE4450 |
| CC025B | LE3502 | LE4502 |
| CC05B | LE3505 | LE4505 |
| CC10B | LE3510 | LE4510 |
| CC20B | LE3520 | LE4520 |
| CC30B | LE3530 | LE4530 |
| CC40B | LE3540 | LE4540 |
| CC50B | LE3550 | LE4550 |

# Kodak Gel





**Buy 6 & Save 10%**
Mix & Match

## Color Correction

| | 3 x 3" $14.95 | 4 x 4" $22.95 |
|---|---|---|
| **Yellow** | | |
| CC025Y | KF3001 | KF3002 |
| CC05Y | KF3005 | KF3006 |
| CC10Y | KF3009 | KF3010 |
| CC20Y | KF3013 | KF3014 |
| CC30Y | KF3017 | KF3018 |
| CC40Y | KF3021 | KF3022 |
| CC50Y | KF3025 | KF3026 |
| **Magenta** | | |
| CC025M | KF3051 | KF3052 |
| CC05M | KF3055 | KF3056 |
| CC10M | KF3059 | KF3060 |
| CC20M | KF3063 | KF3064 |
| CC30M | KF3067 | KF3068 |
| CC40M | KF3071 | KF3072 |
| CC50M | KF3075 | KF3078 |
| **Cyan** | | |
| CC025C | KF3101 | KF3102 |
| CC05C | KF3105 | KF3106 |
| CC10C | KF3109 | KF3110 |
| CC20C | KF3113 | KF3114 |
| CC30C | KF3117 | KF3118 |
| CC40C | KF3121 | KF3122 |
| CC50C | KF3125 | KF3126 |
| **Red** | | |
| CC025R | KF3201 | KF3202 |
| CC05R | KF3205 | KF3206 |
| CC10R | KF3209 | KF3210 |
| CC20R | KF3213 | KF3214 |
| CC30R | KF3217 | KF3218 |
| CC40R | KF3221 | KF3222 |
| CC50R | KF3225 | KF3226 |
| **Green** | | |
| CC025G | KF3251 | KF3252 |
| CC05G | KF3255 | KF3256 |
| CC10G | KF3259 | KF3260 |
| CC20G | KF3263 | KF3264 |
| CC30G | KF3267 | KF3268 |
| CC40G | KF3271 | KF3272 |
| CC50G | KF3275 | KF3276 |
| **Blue** | | |
| CC025B | KF3301 | KF3302 |
| CC05B | KF3305 | KF3306 |
| CC10B | KF3309 | KF3310 |
| CC20B | KF3313 | KF3314 |
| CC30B | KF3317 | KF3318 |
| CC40B | KF3321 | KF3322 |
| CC50B | KF3325 | KF3326 |

## Neutral Density

| | 3 x 3" $24.95 | 4 x 4" $44.95 |
|---|---|---|
| 96 ND 0.10 | KF1701 | KF1702 |
| 96 ND 0.20 | KF1705 | KF1706 |
| 96 ND 0.30 1 Stop | KF1709 | KF1710 |
| 96 ND 0.40 | KF1713 | KF1714 |
| 96 ND 0.50 | KF1717 | KF1718 |
| 96 ND 0.60 2 Stop | KF1721 | KF1722 |
| 96 ND 0.70 | KF1725 | KF1726 |
| 96 ND 0.80 | KF1729 | KF1730 |
| 96 ND 0.90 3 Stop | KF1734 | KF1735 |
| 96 ND 1.00 | KF1739 | KF1740 |
| 96 ND 2.00 | KF1743 | KF1744 |
| 96 ND 3.00 10 Stop | KF1747 | KF1748 |
| 96 ND 4.00 | KF1751 | KF1752 |

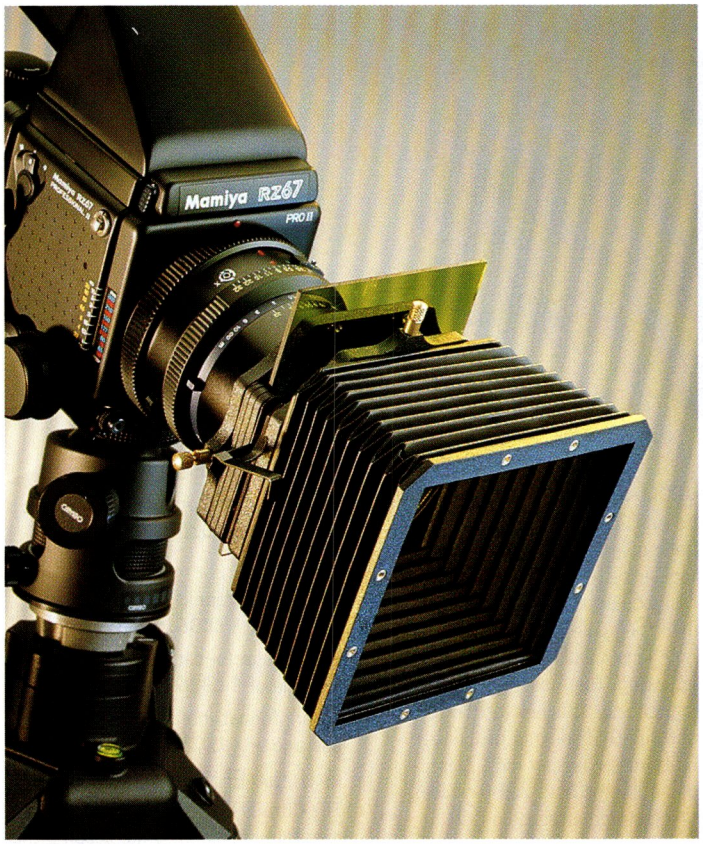
## Color Conversion

| | 3 x 3" $14.95 | 4 x 4" $22.95 |
|---|---|---|
| 82 Cooling +100K | KF1499 | KF1500 |
| 82A Cooling +200K | KF1503 | KF1504 |
| 82B Cooling +300K | KF1507 | KF1508 |
| 82C Cooling +400K | KF1511 | KF1512 |
| 85 5500 to 3400K | KF1515 | KF1516 |
| 85B 5500 to 3200K | KF1531 | KF1532 |
| 85C 5500 to 3800K | KF1543 | KF1544 |
| 80A 3200 to 5500K | KF1459 | KF1460 |
| 80B 3400 to 5500K | KF1463 | KF1464 |
| 80C 3800 to 5500K | KF1467 | KF1468 |
| 80D 4200 to 5500K | KF1471 | KF1472 |
| 81 Warming—100K | KF1474 | KF1475 |
| 81A Warming—200K | KF1480 | KF1481 |
| 81B Warming—300K | KF1483 | KF1484 |
| 81C Warming—400K | KF1487 | KF1488 |
| 81D Warming—500K | KF1491 | KF1492 |
| 81EF Warming—650K | KF1495 | KF1496 |

## Filters for B&W Film

| | 3 x 3" $14.95 | 4 x 4" $22.95 |
|---|---|---|
| 2A Pale Yellow UV 405 nm. | KF1111 | KF1112 |
| 2B Pale Yellow UV 390 nm. | KF1115 | KF1116 |
| 2E Pale Yellow UV | KF1123 | KF1124 |
| 8 Yellow | KF1167 | KF1168 |
| 11 Yellowish Green | KF1179 | KF1180 |
| 12 Deep Yellow (minus black) | KF1183 | KF1184 |
| 15 Deep Yellow | KF1191 | KF1192 |
| 16 Yellow-Orange | KF1195 | KF1196 |
| 22 Deep Orange | KF1206 | KF1207 |
| 25 Red (tricolor) | KF1218 | KF1219 |
| 29 Deep Red (tricolor) | KF1226 | KF1227 |
| 47 Blue (tricolor) | KF1315 | KF1316 |
| 58 Green (tricolor) | KF1379 | KF1380 |
| 90 Monochrome Viewing | KF1587 | KF1588 |
| | **$29.95** | **$53.95** |
| 3 Light Yellow | KF1151 | KF1152 |
| 9 Deep Yellow | KF1175 | KF1176 |
| 21 Orange | KF1202 | KF1203 |
| 26 Red | KF1222 | KF1223 |
| 32 Magenta (minus green) | KF1259 | KF1260 |
| 34A Violet | KF1271 | KF1272 |
| 38A Blue | KF1287 | KF1288 |
| 44 Light Blue-Green | KF1295 | KF1296 |
| 44A Light Blue-Green (minus red) | KF1299 | KF1300 |
| 47A Light Blue | KF1317 | KF1318 |
| 47B Deep Blue (tricolor) | KF1321 | KF1322 |
| 61 Deep Green (tricolor) | KF1394 | KF1395 |
| 87 Infrared | KF1563 | KF1564 |
| 87C Infrared | KF1575 | KF1576 |

*Please Note: Returns on gelatin filters will not be accepted once the seal is broken or the package is opened.*




*Calumet Slide-In Filter Holder shown with optional Compendium Lens Shade.*

## Rotates 360° and Adapts to 4" Filters

### Calumet Slide-In Filter Holder

Our versatile, rotating filter holder features 3 slots: the first slot is adaptable to 4" rigid filters of any thickness and the second and third slots hold Resin Filters. Quick and easy to use: simply slide in the filter and the built-in tension tabs keep it in place. Ideal for adjusting graduated filters! Adapts to lenses with filter threads from 49mm to 105mm, including Hasselblad 50 and 60 Bay Series. **LE5000 $99.95**

## Pliable Bellows Hold Their Shape

### Calumet Compendium Lens Shade

Attach this compendium to our Calumet Filter Holder or adapt it straight to your lens. Cuts the glare out for clean, sharp images. Constructed of high quality, self-locking, no-memory materials. It can be flexed multi-directionally for maximum coverage, whether you're shooting medium or large format. Can hold vignettes on front with optional Vignette Holder Kit.
**LE5005 $109.95**

Filter Holder/Compendium Shade Package – Save 20%
**LE5000K $179.95**

### Vignette Holder Kit

Includes everything you need to attach a vignette (up to 2mm thick) to the front of Compendium Shade.
**LE5008 $7.95**

### Adapters for Calumet Slide-in Filter Holder and Compendium Lens Shade

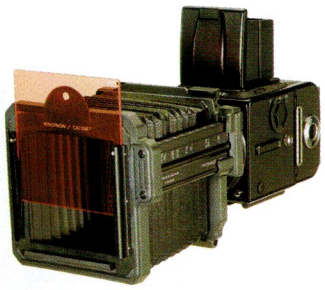
| | | |
|---|---|---|
| 49mm | LE5049 | $39.95 |
| 52mm | LE5052 | $39.95 |
| 55mm | LE5055 | $39.95 |
| 58mm | LE5058 | $39.95 |
| 62mm | LE5062 | $39.95 |
| 67mm | LE5067 | $39.95 |
| 72mm | LE5072 | $39.95 |
| 77mm | LE5077 | $39.95 |
| 82mm | LE5082 | $59.95 |
| 86mm | LE5086 | $59.95 |
| 93mm | LE5087 | $79.95 |
| 95mm | LE5088 | $79.95 |
| 105mm | LE5089 | $79.95 |

### Wide Angle Lens Adapters

Available 49 – 82mm. **Specify Size**

Hasselblad 50 Bay Series
**LE5050 $59.95**

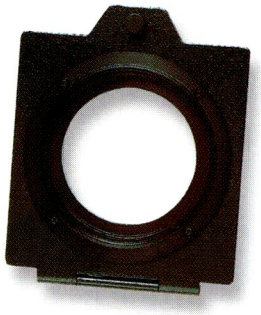
Hasselblad 60 Bay Series
**LE5060 $59.95**



## Fits All Hasselblad Proshades

### Xenophon/Calumet Filter Holder for Proshade

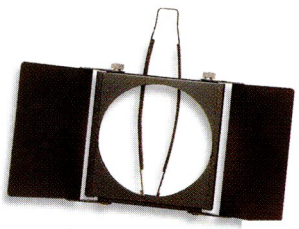
This handy 4" slide-in filter holder allows you to easily and quickly add color correction or special effect filters to any Hasselblad Proshade.
**XB7100 $69.95**



### Kenko Technical Filter Holders

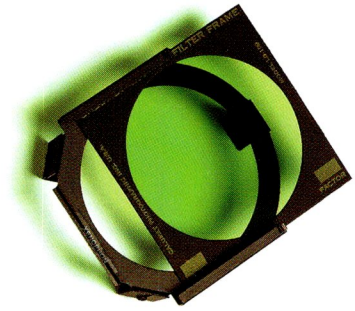
High quality gel holder keeps filters flat.
Screws directly into front of lens.

| | | |
|---|---|---|
| 49mm | KT0100 | $54.95 |
| 52mm | KT0105 | $54.95 |
| 55mm | KT0110 | $54.95 |
| 58mm | KT0115 | $54.95 |
| 62mm | KT0120 | $54.95 |
| 67mm | KT0125 | $71.95 |
| 72mm | KT0130 | $71.95 |
| 77mm | KT0135 | $71.95 |



### Universal Gelatin Filter Holder

Snaps onto any lens with a front diameter between 20mm and 70mm. Accommodates 3" square gelatin filters plus filters or vignettes of you own design. Built-in barndoors adjust to shade lens.
**BG9000 $41.95**



### Xenophon Pro Gel Holder

This universal, large format filter holder mounts directly to nearly any view and field camera lensboard – 4x5 and 8x10 – and is available for either 3" or 4" gel or polyester filters.

Positions filters behind the lens to protect from moisture, dust, and finger prints, also eliminates flare that front-mounted filters can cause. Spring clips secure filters in place – even during transit! Can be adjusted to match your lens' depth.

3" Pro Gel Holder **XB6550 $39.95**

4" Pro Gel Holder
May be necessary for larger lenses.
**XB6560 $49.95**



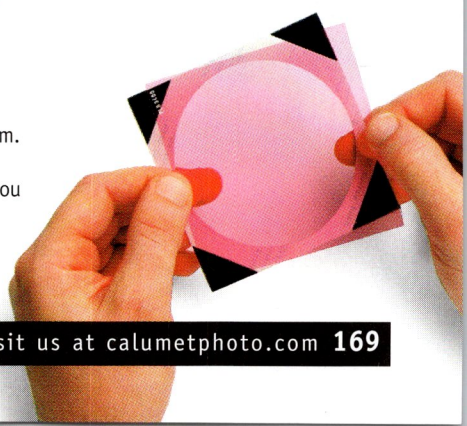

### Calumet Filter Frames

By mounting each filter between two of these self-sealing cardboard frames, you can extend the life expectancy of that filter immensely! Space is provided for writing the filter type and factor on each frame. Package of 30 frames. Note: Each filter requires two frames. (Works with both Calumet and Kodak Polyester Filters.)

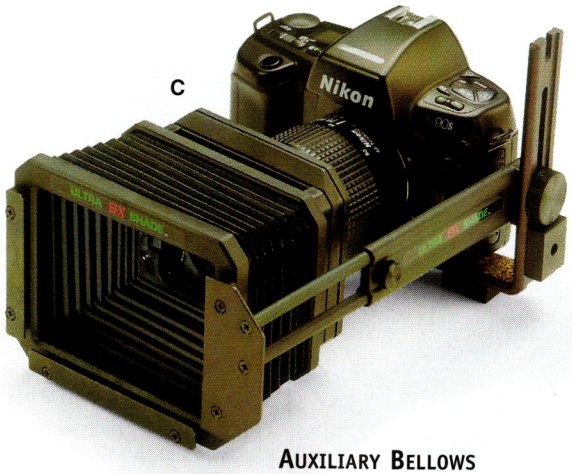
4x4" frames for 4x4" filters
**CC9035 $18.95**

4x4" frames for 3x3" filters
**CC9036 $18.95**

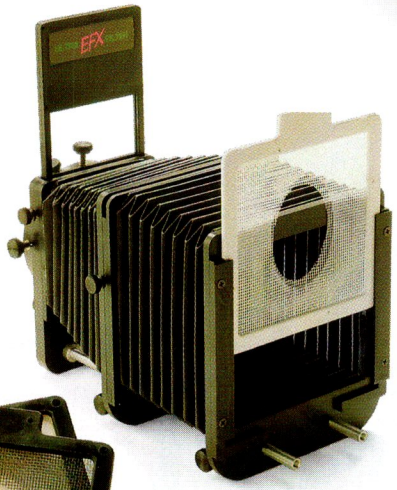
3x3" Frames for 3x3" filters
**CC9037 $18.95**



**Don't See It?**
Call Us! We Carry Over 35,000 Products

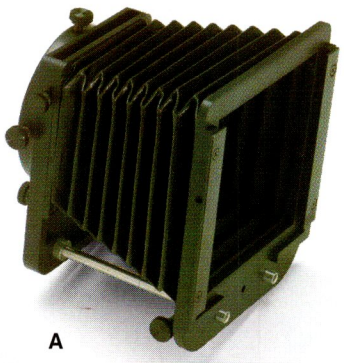



C




B





A

### Ⓐ Lindahl Bell-O-Shade

This adjustable lens shade/filter holder/vignetter can be used on most cameras and most lenses. Adjusts from 2" to 6" and features a 3" filter slot, next to the lens, and a 4½" slot for vignettes or montaging masks. Comes with extension rods. Requires adapter. Vignettes and filters sold separately. **LD2000 $149.95**

Lindahl Bell-O-Shade for Hasselblad CF. Adapter included. **LD2005 $149.95**

### Ⓑ Lindahl Pro Vignetter

This adjustable vignetting system can be used with different focal length lenses. It features a 3" filter slot, and two 4½" slots. The center slot is for glass neutral-density vignettes. The front standard is for hi-key vignetting and double exposures, and will also accept magnetic vignettes. Includes extension rods. Requires adapter. Vignettes and filters sold separately. **LD1000 $229.95**

Pro Vignetter for Hasselblad CF. Adapter included. **LD1005 $229.95**

### Auxiliary Bellows

The Auxiliary Bellows for the Bell-O-Shade gives you the option of a modular system for your vignetting. The modular design allows removal when the angle of view from wider angle lenses causes unwanted vignetting. The Auxiliary Bellows magnetically attaches to the front of your Bell-O-Shade and includes additional extension rods. It is compatible with all Bell-O-Shades manufactured after 1986.
**LD2007 $84.95**

### Lindahl Adapters and Accessory Kits

For Bell-O-Shade and Pro-Vignetter

| | | |
|---|---|---|
| 49mm | LD0149 | $17.95 |
| 52mm | LD0152 | $17.95 |
| 55mm | LD0155 | $17.95 |
| 58mm | LD0158 | $17.95 |
| 62mm | LD0162 | $17.95 |
| 67mm | LD0167 | $17.95 |
| 72mm | LD0172 | $24.95 |
| 77mm | LD0177 | $24.95 |

Hasselblad C Lens Adapter
**LD0179 $24.95**

Set of 6 Low Key Vignettes
Also available individually.
**LD1241 $44.95**

Set of 4 Glass ND Vignettes in wallet
**LD10381 $74.95**

**Master Vignette Package**
Includes set of 4 White Hi-Key Vignettes and 4 Black Opaque Vignettes **LD1037 $46.95**

**Pro Montaging Set**
(10 masks) **LD2240 $37.95**

**Cricchio Soft Edge Vignettes**
(pkg. of 6) **LD1280 $106.95**

**Contemporary Soft Edge Vignettes**
(pkg. of 4) **LD1286 $55.95**

Reflections Double Exposure Plate
**LD2202 $29.95**

### Pro Mesh Vignettes

**Low Key**
Rectangular format, normal lens, package of 3 **LD3502 $39.95**
Rectangular format, long lens, package of 3 **LD3504 $39.95**
Square format, normal and long lens, package of 4 **LD3506 $54.95**

**High Key**
Rectangular format, normal lens, package of 3 **LD3510 $39.95**
Rectangular format, long lens, package of 3 **LD3512 $39.95**
Square format, normal and long lens, package of 4 **LD3514 $52.95**

### Ⓒ Ultra EFX Shade

The Ultra EFX Shade allows your lens to rotate and zoom while keeping the lens shade in line with your camera. Includes the bellows unit, camera mounting bracket, one diffusion filter and two vignettes. The required EFX Adapter Disk is not included.
**LD0500 $106.95**

**Adapter Disks**

| | | |
|---|---|---|
| 49mm | LD0550 | $17.95 |
| 52mm | LD0551 | $17.95 |
| 55mm | LD0552 | $17.95 |
| 58mm | LD0553 | $17.95 |
| 62mm | LD0554 | $17.95 |
| 67mm | LD0555 | $17.95 |

**EFX Pro Mesh Vignettes**
Designed in layers to give a subtle, gradual low-key vignette. Includes two different size ovals for use with a variety of focal lengths. A bottom scoop for both horizontal and vertical compositions makes this set complete.
**LD0572 $41.95**

EFX Multiple Exposure Mask Set
**LD0570 $24.95**

**Magic Edge Vignettes**
Create a dream-like edge around your subject in any situation. This vignette is used in the front slot of the EFX Shade and gently diffuses the edges of your photograph.

Horizontal **LD0514 $14.95**
Vertical **LD0515 $14.95**

## B+W Filters: Worthy of the Finest Lenses

B+W filters are manufactured in the style of the best optical lenses. Each filter is cut from raw cylinders of pure Schott/Mainz optical glass, the same glass used by the world's top lens manufacturers. The filter mounts are made of black anodized, solid brass. These high-quality components combined with B+W's modern production technology and rigorous quality control, produce the flattest possible filters. This precision flatness (plano-parallelism) and B+W's high quality anti-reflection coating, which is applied to both sides of the filter, minimizes the possibility of image deterioration due to flare.

**Buy 3 or More & Save 10%**
Mix & Match

| | 39mm | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | 82mm | Series 60 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **$35.95** | **$24.95** | **$24.95** | **$24.95** | **$27.95** | **$37.95** | **$39.95** | **$54.95** | **$58.95** | **$95.95** | **$125.95** |
| UV 010 | BX39005 | BX49005 | BX52005 | BX55005 | BX58005 | BX62005 | BX67005 | BX72005 | BX77005 | BX82005 | BX60005 |
| Sky KR1.5 | BX39015 | BX49015 | BX52015 | BX55015 | BX58015 | BX62015 | BX67015 | BX72015 | BX77015 | BX82015 | — |
| 81C KR3 | BX39110 | BX49110 | BX52110 | BX55110 | BX58110 | BX62110 | BX67110 | BX72110 | BX77110 | BX82110 | — |
| 81EF KR6 | BX39113 | BX49113 | BX52113 | BX55113 | BX58113 | BX62113 | BX67113 | BX72113 | BX77113 | BX82113 | BX60113 |
| 85 KR12 | BX39116 | BX49116 | BX52116 | BX55116 | BX58116 | BX62116 | BX67116 | BX72116 | BX77116 | BX82116 | BX60116 |
| 85B KR15 | BX39120 | BX49120 | BX52120 | BX55120 | BX58120 | BX62120 | BX67120 | BX72120 | BX77120 | BX82120 | BX60120 |
| 82A KB1.5 | BX39124 | BX49124 | BX52124 | BX55124 | BX58124 | BX62124 | BX67124 | BX72124 | BX77124 | BX82124 | — |
| 82C KB3 | BX39128 | BX49128 | BX52128 | BX55128 | BX58128 | BX62128 | BX67128 | BX72128 | BX77128 | BX82128 | — |
| 80A KB15 | BX39132 | BX49132 | BX52132 | BX55132 | BX58132 | BX62132 | BX67132 | BX72132 | BX77132 | — | BX60132 |
| 80B KB12 | BX39136 | BX49136 | BX52136 | BX55136 | BX58136 | BX62136 | BX67136 | BX72136 | BX77136 | BX82136 | BX60136 |
| 80CD KB6 | BX39140 | BX49140 | BX52140 | BX55140 | BX58140 | BX62140 | BX67140 | BX72140 | BX77140 | BX82140 | BX60140 |
| Lt. Yellow 3-021 | BX39210 | BX49210 | BX52210 | BX55210 | BX58210 | BX62210 | BX67210 | BX72210 | BX77210 | BX82210 | — |
| Med. Yellow 8-022 | BX39215 | BX49215 | BX52215 | BX55215 | BX58215 | BX62215 | BX67215 | BX72215 | BX77215 | BX82215 | — |
| Drk. Yellow 9-023 | BX39220 | BX49220 | BX52220 | BX55220 | BX58220 | BX62220 | BX67220 | BX72220 | BX77220 | BX82220 | BX60220 |
| Yell. Orng. 16-040 | BX39230 | BX49230 | BX52230 | BX55230 | BX58230 | BX62230 | BX67230 | BX72230 | BX77230 | BX82230 | — |
| Red/Orng. 22-041 | BX39240 | BX49240 | BX52240 | BX55240 | BX58240 | BX62240 | BX67240 | BX72240 | BX77240 | BX82240 | BX60240 |
| Yell./Grn. 11-060 | BX39250 | BX49250 | BX52250 | BX55250 | BX58250 | BX62250 | BX67250 | BX72250 | BX77250 | BX82250 | BX60250 |
| Lt. Red 24/090 | BX39260 | BX49260 | BX52260 | BX55260 | BX58260 | BX62260 | BX67260 | BX72260 | BX77260 | BX82260 | — |
| N.D. 2X-101 | BX39320 | BX49320 | BX52320 | BX55320 | BX58320 | BX62320 | BX67320 | BX72320 | BX77320 | BX82320 | BX60320 |
| N.D. 4X-102 | BX39323 | BX49323 | BX52323 | BX55323 | BX58323 | BX62323 | BX67323 | BX72323 | BX77323 | BX82323 | BX60323 |
| N.D. 8X-103 | BX39326 | BX49326 | BX52326 | BX55326 | BX58326 | BX62326 | BX67326 | BX72326 | BX77326 | BX82326 | BX60326 |
| | **$39.95** | **$22.95** | **$24.95** | **$24.95** | **$27.95** | **$37.95** | **$39.95** | **$54.95** | **$58.95** | **$254.95** | **—** |
| Close Up 1 | — | BX49340 | BX52340 | BX55340 | BX58340 | BX62340 | BX67340 | BX72340 | BX77340 | BX82340 | — |
| Close Up 2 | BX39343 | BX49343 | BX52343 | BX55343 | BX58343 | BX62343 | BX67343 | BX72343 | BX77343 | BX82343 | — |
| Close Up 3 | BX39346 | BX49346 | BX52346 | BX55346 | BX58346 | BX62346 | BX67346 | BX72346 | BX77346 | BX82346 | — |
| | **—** | **$228.95** | **$239.95** | **$252.95** | **$252.95** | **$254.95** | **$269.95** | **$269.95** | **$318.95** | **$357.95** | **—** |
| Zeiss Softar 1 | — | BX49058 | BX52058 | BX55058 | BX58058 | BX62058 | BX67058 | BX72058 | BX77058 | BX82058 | — |
| Zeiss Softar 2 | — | BX49059 | BX52059 | BX55059 | BX58059 | BX62059 | BX67059 | BX72059 | BX77059 | BX82059 | — |
| | **$59.95** | **$19.95** | **$24.95** | **$24.95** | **$27.95** | **$37.95** | **$39.95** | **$54.95** | **$59.95** | **$273.95** | **$143.95** |
| 81A | BX39150 | BX49150 | BX52150 | BX55150 | BX58150 | BX62150 | BX67150 | BX72150 | BX77150 | BX82150 | BX60150 |
| 81B | BX39152 | BX49152 | BX52152 | BX55152 | BX58152 | BX62152 | BX67152 | BX72152 | BX77152 | BX82152 | BX60152 |
| | **—** | **$39.95** | **$42.95** | **$46.95** | **$49.95** | **$59.95** | **$65.95** | **$79.95** | **$87.95** | **$129.95** | **—** |
| Linear Polarizer | — | BX49053 | BX52053 | BX55053 | BX58053 | BX62053 | BX67053 | BX72053 | BX77053 | BX82053 | — |
| | **$79.95** | **$79.95** | **$84.95** | **$94.95** | **$96.95** | **$98.95** | **$119.95** | **$133.95** | **$152.95** | **—** | **$126.95** |
| Cir. Polarizer | BX39055 | BX49055 | BX52055 | BX55055 | BX58055 | BX62055 | BX67055 | BX72055 | BX77055 | — | BX60055 |
| | **—** | **$43.95** | **$39.95** | **$46.95** | **$49.95** | **$56.95** | **$59.95** | **$69.95** | **$78.95** | **$126.95** | **—** |
| Cross Scrn. 4 | — | BX49380 | BX52380 | BX55380 | BX58380 | BX62380 | BX67380 | BX72380 | BX77380 | BX82380 | — |
| Cross Scrn. 6 | — | BX49382 | BX52382 | BX55382 | BX58382 | BX62382 | BX67382 | BX72382 | BX77382 | BX82382 | — |
| Cross Scrn. 8 | — | BX49384 | BX52384 | BX55384 | BX58384 | BX62384 | BX67384 | BX72384 | BX77384 | BX82384 | — |
| | **—** | **$34.95** | **$39.95** | **$43.95** | **$47.95** | **$49.95** | **$56.95** | **$66.95** | **$78.95** | **—** | **—** |
| Fog | — | BX49442 | BX52442 | BX55442 | BX58442 | BX62442 | BX67442 | BX72442 | BX77442 | — | — |
| | **—** | **$33.95** | **$36.95** | **$34.95** | **$43.95** | **$49.95** | **$65.95** | **$69.95** | **$83.95** | **—** | **—** |
| Soft Image | — | BX49460 | BX52460 | BX55460 | BX58460 | BX62460 | BX67460 | BX72460 | BX77460 | — | — |
| | **—** | **$39.95** | **$44.95** | **$47.95** | **$49.95** | **$58.95** | **$79.95** | **$104.95** | **$116.95** | **$143.95** | **—** |
| FLD/499 | — | BX49510 | BX52510 | BX55510 | BX58510 | BX62510 | BX67510 | BX72510 | BX77510 | BX82510 | — |
| | **—** | **$49.95** | **$59.95** | **$53.95** | **$57.95** | **$57.95** | **$74.95** | **$81.95** | **$92.95** | **—** | **—** |
| Double Sunny | — | BX49595 | BX52595 | BX55595 | BX58595 | BX62595 | BX67595 | BX72595 | BX77595 | — | — |
| | **$41.95** | **$26.95** | **$27.95** | **$31.95** | **$34.95** | **$39.95** | **$49.95** | **$63.95** | **$85.95** | **$114.95** | |
| Soft Focus 1-WZ1 | BX39450 | BX49450 | BX52450 | BX55450 | BX58450 | BX62450 | BX67450 | BX72450 | BX77450 | BX82450 | — |
| Soft Focus 2-WZ2 | BX39454 | BX49454 | BX52454 | BX55454 | BX58454 | BX62454 | BX67454 | BX72454 | BX77454 | BX82454 | — |

# Calumet Premium Glass Filters




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## Calumet Traditional Glass Filters

Calumet's non-coated Traditional filters offer premium glass and rings at a moderate price. This group includes everyday lens essentials, such as Skylight 1B, UV and the Polarizers, to improve clarity and color balance while protecting your lens. Also available in special effects styles where coating is not critical. Use of lens hoods or compendiums is recommended to eliminate flare in certain applications.

| Description | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | 82mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | $4.95 | $7.95 | $11.95 | $13.95 | $14.95 | $19.95 | $21.95 | | |
| UV Haze | — | HF52203 | HF55203 | HF58203 | HF62203 | HF67203 | HF72203 | HF77203 | — | — |
| | | $9.49 | $9.95 | $11.95 | $13.95 | $14.95 | $21.95 | $23.95 | | |
| Sky 1B | — | HF52206 | HF55206 | HF58206 | HF62206 | HF67206 | HF72206 | HF77206 | — | — |
| | | $33.95 | $34.95 | $36.95 | $49.95 | $51.95 | $66.95 | $69.95 | | |
| Circular Polarizer | — | HF52209 | HF55209 | HF58209 | HF62209 | HF67209 | HF72209 | HF77209 | — | — |
| | | $14.95 | $15.95 | $17.95 | $21.95 | $22.95 | $33.95 | $35.95 | | $59.95 |
| Linear Polarizer | — | HF52212 | HF55212 | HF58212 | HF62212 | HF67212 | HF72212 | HF77212 | — | HF60212 |
| | $19.49 | $19.95 | $21.95 | $24.95 | $32.95 | $34.95 | $49.95 | $59.95 | $69.95 | |
| Cross Screen Star | HF49272 | HF52272 | HF55272 | HF58272 | HF62272 | HF67272 | HF72272 | HF77272 | HF82272 | — |
| Duto Fringe Diff. | HF49275 | HF52275 | HF55275 | HF58275 | HF62275 | HF67275 | HF72275 | HF77275 | HF82275 | — |
| Soft Diffuser | HF49278 | HF52278 | HF55278 | HF58278 | HF62278 | HF67278 | HF72278 | HF77278 | HF82278 | — |

## Calumet SC Glass Filters

Single-Coated Calumet filters will provide a higher level of defense against unwanted flare and contrast reduction than standard, uncoated filters. These filters are coated on both surfaces to suppress reflection and increase light transmission. Featuring the widest range of types, SC filters are a superior optical value.

| Description | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | 82mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| | $12.95 | $13.95 | $14.49 | $15.95 | $21.49 | $22.95 | $32.95 | $34.95 | $49.95 | |
| #8 Yellow | HF49215 | HF52215 | HF55215 | HF58215 | HF62215 | HF67215 | HF72215 | HF77215 | HF82215 | — |
| # 15 Yellow | HF49218 | HF52218 | HF55218 | HF58218 | HF62218 | HF67218 | HF72218 | HF77218 | HF82218 | — |
| #25 Red | HF49221 | HF52221 | HF55221 | HF58221 | HF62221 | HF67221 | HF72221 | HF77221 | HF82221 | — |
| XO Yellow Green | HF49224 | HF52224 | HF55224 | HF58224 | HF62224 | HF67224 | HF72224 | HF77224 | HF82224 | — |
| #11 Light Green | HF49227 | HF52227 | HF55227 | HF58227 | HF62227 | HF67227 | HF72227 | HF77227 | HF82227 | — |
| 80A | HF49230 | HF52230 | HF55230 | HF58230 | HF62230 | HF67230 | HF72230 | HF77230 | HF82230 | — |
| 80B | HF49233 | HF52233 | HF55233 | HF58233 | HF62233 | HF67233 | HF72233 | HF77233 | HF82233 | — |
| 80C | HF49236 | HF52236 | HF55236 | HF58236 | HF62236 | HF67236 | HF72236 | HF77236 | HF82236 | — |
| 81A | HF49239 | HF52239 | HF55239 | HF58239 | HF62239 | HF67239 | HF72239 | HF77239 | HF82239 | — |
| 81B | HF49242 | HF52242 | HF55242 | HF58242 | HF62242 | HF67242 | HF72242 | HF77242 | HF82242 | — |
| 81C | HF49245 | HF52245 | HF55245 | HF58245 | HF62245 | HF67245 | HF72245 | HF77245 | HF82245 | — |
| 82A | HF49248 | HF52248 | HF55248 | HF58248 | HF62248 | HF67248 | HF72248 | HF77248 | HF82248 | — |
| 82B | HF49251 | HF52251 | HF55251 | HF58251 | HF62251 | HF67251 | HF72251 | HF77251 | HF82251 | — |
| 82C | HF49254 | HF52254 | HF55254 | HF58254 | HF62254 | HF67254 | HF72254 | HF77254 | HF82254 | — |
| 85 | HF49257 | HF52257 | HF55257 | HF58257 | HF62257 | HF67257 | HF72257 | HF77257 | HF82257 | — |
| 85B | HF49260 | HF52260 | HF55260 | HF58260 | HF62260 | HF67260 | HF72260 | HF77260 | HF82260 | — |
| ND2X (.3) | HF49263 | HF52263 | HF55263 | HF58263 | HF62263 | HF67263 | HF72263 | HF77263 | HF82263 | — |
| ND4X (.6) | HF49266 | HF52266 | HF55266 | HF58266 | HF62266 | HF67266 | HF72266 | HF77266 | HF82266 | — |
| ND8X (.9) | HF49269 | HF52269 | HF55269 | HF58269 | HF62269 | HF67269 | HF72269 | HF77269 | HF82269 | — |
| FL Warm (Tungsten) | HF49281 | HF52281 | HF55281 | HF58281 | HF62281 | HF67281 | HF72281 | HF77281 | HF82281 | — |
| FL Day | HF49284 | HF52284 | HF55284 | HF58284 | HF62284 | HF67284 | HF72284 | HF77284 | HF82284 | — |

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Exclusive Calumet

## Calumet MC Glass Filters

Calumet Multi-Coated filters minimize flare and ghost imaging in situations where unwanted light falls on filter surfaces. The result is an average light transmission of over 97%, producing sharp contrast and well-balanced color. MC filters are available in most popular types and are highly recommended for obtaining the performance inherent in multi-coated camera lenses.

| Description | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | 82mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| | $19.95 | $23.95 | $24.95 | $27.95 | $36.95 | $37.95 | $53.95 | $59.95 | $94.95 | $104.95 |
| UV Haze | HF49204 | HF52204 | HF55204 | HF58204 | HF62204 | HF67204 | HF72204 | HF77204 | HF82204 | HF60204 |
| Sky 1B | HF49207 | HF52207 | HF55207 | HF58207 | HF62207 | HF67207 | HF72207 | HF77207 | HF82207 | HF60207 |
| | $69.95 | $74.95 | $84.95 | $89.95 | $94.95 | $104.95 | $119.95 | $149.95 | $189.95 | |
| Circular Polarizer | HF49210 | HF52210 | HF55210 | HF58210 | HF62210 | HF67210 | HF72210 | HF77210 | HF82210 | — |
| | $19.95 | $23.95 | $26.95 | $27.95 | $35.95 | $38.95 | $52.95 | $59.95 | | |
| #8 Yellow | HF49216 | HF52216 | HF55216 | HF58216 | HF62216 | HF67216 | HF72216 | HF77216 | — | — |
| # 15 Yellow | HF49219 | HF52219 | HF55219 | HF58219 | HF62219 | HF67219 | HF72219 | HF77219 | — | — |
| #25 Red | HF49222 | HF52222 | HF55222 | HF58222 | HF62222 | HF67222 | HF72222 | HF77222 | — | — |
| XO Yellow Green | HF49225 | HF52225 | HF55225 | HF58225 | HF62225 | HF67225 | HF72225 | HF77225 | — | — |
| #11 Light Green | HF49228 | HF52228 | HF55228 | HF58228 | HF62228 | HF67228 | HF72228 | HF77228 | — | — |
| 80A | HF49231 | HF52231 | HF55231 | HF58231 | HF62231 | HF67231 | HF72231 | HF77231 | — | — |
| 80B | HF49234 | HF52234 | HF55234 | HF58234 | HF62234 | HF67234 | HF72234 | HF77234 | — | — |
| 81A | HF49240 | HF52240 | HF55240 | HF58240 | HF62240 | HF67240 | HF72240 | HF77240 | — | — |
| 82A | HF49249 | HF52249 | HF55249 | HF58249 | HF62249 | HF62249 | HF62249 | HF62249 | — | — |
| 85 | HF49258 | HF52258 | HF55258 | HF58258 | HF62258 | HF67258 | HF72258 | HF77258 | — | — |
| 85B | HF49261 | HF52261 | HF55261 | HF58261 | HF62261 | HF67261 | HF72261 | HF77261 | — | — |
| ND2X (.3) | HF49264 | HF52264 | HF55264 | HF58264 | HF62264 | HF67264 | HF72264 | HF77264 | — | — |
| ND4X (.6) | HF49267 | HF52267 | HF55267 | HF58267 | HF62267 | HF67267 | HF72267 | HF77267 | — | — |
| FL Warm (Tungsten) | HF49282 | HF52282 | HF55282 | HF58282 | HF62282 | HF67282 | HF72282 | HF77282 | — | — |
| FL Day | HF49285 | HF52285 | HF55285 | HF58285 | HF62285 | HF67285 | HF72285 | HF77285 | — | — |

## Calumet SMC Glass Filters

Available exclusively in ultraviolet, skylight and circular polarizers, Calumet's Super Multi-Coated Filters are a must with modern lenses or when lens hoods and compendiums can not be used. These outstanding filters offer revolutionary performance in light transmission and color balance. Twelve layers of Super Multi-Coating are applied to the surfaces of the Skylight 1B and UV filters, which results in an average light transmission of 99.7%! Coupled with maximum surface precision, this allows increased resistance to flare, even at wide apertures. The Ultra-thin Circular Polarizing filters have seven layers of Multi-Coating applied to the rear surface to eliminate internal reflections and ghosting. Advanced thin selective film is used to guarantee perfectly polarized light with neutral color balance. Their slim 5mm profile avoids any vignetting and makes these filters ideal for use with wide angle lenses.

| Description | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | 82mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | $25.95 | $27.95 | $31.95 | $41.95 | $44.95 | $59.95 | $69.95 | | |
| UV Haze | — | HF52205 | HF55205 | HF58205 | HF62205 | HF67205 | HF72205 | HF77205 | — | — |
| Sky 1B | — | HF52208 | HF55208 | HF58208 | HF62208 | HF67208 | HF72208 | HF77208 | — | — |
| | | $94.95 | $99.95 | $109.95 | $119.95 | $144.95 | $159.95 | $182.95 | | |
| Circular Polarizer | — | HF52211 | HF55211 | HF58211 | HF62211 | HF67211 | HF72211 | HF77211 | — | — |




## Tiffen: The Widest Selection of Pro Grade Filters Available

Meticulous American craftsmanship, constant inspection and highest quality materials combine to make Tiffen durable and dependable filters. Tiffen filters are used by major motion picture studios and TV stations, and were even used by NASA for the lunar photographs.

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| | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|
| | **$9.95** | **$9.95** | **$9.95** | **$12.95** | **$15.49** | **$15.49** | **$27.95** | **$27.95** | **$49.95** |
| 1A Sky | TF49015 | TF52015 | TF55015 | TF58015 | TF62015 | TF67015 | TF72015 | TF77015 | TF60015 |
| UV Haze 1 | TF49010 | TF52010 | TF55010 | TF58010 | TF62010 | TF67010 | TF72010 | TF77010 | TF60010 |
| | **$16.95** | **$16.95** | **$16.95** | **$19.95** | **$24.49** | **$24.49** | **$38.95** | **$38.95** | **$59.95** |
| Linear Polarizer | TF49053 | TF52053 | TF55053 | TF58053 | TF62053 | TF67053 | TF72053 | TF77053 | TF60053 |
| | **$37.95** | **$37.95** | **$37.95** | **$38.95** | **$55.49** | **$55.49** | **$73.49** | **$73.49** | **—** |
| Circular Polarizer | TF49052 | TF52055 | TF55055 | TF58055 | TF62055 | TF67055 | TF72055 | TF77054 | — |
| | **$11.49** | **$11.49** | **$11.49** | **$12.49** | **$17.49** | **$17.49** | **$31.49** | **$31.49** | **$55.95** |
| 8 Medium Yellow | TF49215 | TF52215 | TF55215 | TF58215 | TF62215 | TF67215 | TF72215 | TF77215 | TF60215 |
| 11 Lt. Green | TF49222 | TF52222 | TF55222 | TF58222 | TF62222 | TF67222 | TF72222 | TF77222 | TF60222 |
| 15 Yellow-Orange | TF49227 | TF52227 | TF55227 | TF58227 | TF62223 | TF67227 | TF72227 | TF77227 | TF60227 |
| 25 Red | TF49266 | TF52266 | TF55266 | TF58266 | TF62266 | TF67266 | TF72266 | TF77266 | TF60266 |
| ND 0.3 1 Stop | TF49320 | TF52320 | TF55320 | TF58320 | TF62320 | TF67320 | TF72320 | TF77320 | TF60320 |
| ND 0.6 2 Stops | TF49323 | TF52323 | TF55323 | TF58323 | TF62323 | TF67323 | TF72323 | TF77323 | TF60323 |
| ND 0.9 3 Stops | TF49326 | TF52326 | TF55326 | TF58326 | TF62326 | TF67326 | TF72326 | TF77326 | TF60326 |
| 80A 3200 to 5500°K | TF49132 | TF52132 | TF55132 | TF58132 | TF62132 | TF67132 | TF72132 | TF77132 | TF60132 |
| 80B 3400 to 5500°K | TF49136 | TF52136 | TF55136 | TF58136 | TF62136 | TF67136 | TF72136 | TF77136 | TF60136 |
| 81A Warming -200°K | TF49106 | TF52106 | TF55106 | TF58106 | TF62106 | TF67106 | TF72106 | TF77106 | TF60106 |
| 81B Warming -300°K | TF49108 | TF52108 | TF55108 | TF58108 | TF62108 | TF67108 | TF72108 | TF77108 | TF60108 |
| | **$18.95** | **$18.95** | **$18.95** | **$19.95** | **$29.95** | **$29.95** | **$49.95** | **$49.95** | **$67.95** |
| UV Haze 2A | TF49011 | TF52011 | TF55011 | TF58011 | TF62011 | TF67011 | TF72011 | TF77011 | TF60011 |
| 12 Yellow | TF49224 | TF52224 | TF55224 | TF58224 | TF62224 | TF67224 | TF72224 | TF77224 | — |
| 16 Lt. Orange | TF49230 | TF52230 | TF55230 | TF58230 | TF62230 | TF67230 | TF72230 | TF77230 | — |
| 21 Orange | TF49236 | TF52236 | TF55236 | TF58236 | TF62236 | TF67236 | TF72236 | TF77236 | TF60236 |
| 23A Lt. Red | TF49260 | TF52260 | TF55260 | TF58260 | TF62260 | TF67260 | TF72260 | TF77260 | — |
| 29 Deep Red | TF49270 | TF52270 | TF55270 | TF58270 | TF62270 | TF67270 | TF72270 | TF77270 | — |
| 47 Blue | TF49520 | TF52520 | TF55520 | TF58520 | TF62520 | TF67520 | TF72520 | TF77520 | — |
| 47B Blue | TF49525 | TF52525 | TF55525 | TF58525 | TF62525 | TF67525 | TF72525 | TF77525 | — |
| 58 Green | TF49540 | TF52540 | TF55540 | TF58540 | TF62540 | TF67540 | TF72540 | TF77540 | — |
| 81 Warming -100°K | — | TF52103 | — | TF58103 | TF62103 | TF67103 | TF72103 | TF77103 | — |
| 81C Warming -400°K | TF49111 | TF52111 | TF55111 | TF58111 | TF62111 | TF67111 | TF72111 | TF77111 | TF60111 |
| 82A Cooler +200°K | TF49124 | TF52124 | TF55124 | TF58124 | TF62124 | TF67124 | TF72124 | TF77124 | — |
| 82B Cooler +300°K | TF49126 | TF52126 | TF55126 | TF58126 | TF62126 | TF67126 | TF72126 | TF77126 | — |
| 85 5500 to 3400°K | TF49150 | TF52150 | TF55150 | TF58150 | TF62150 | TF67150 | TF72150 | TF77150 | TF60150 |
| 85B 5500 to 3200°K | TF49153 | TF52153 | TF55153 | TF58153 | TF62153 | TF67153 | TF72153 | TF77153 | TF60153 |
| 85C 5500 to 3800°K | TF49156 | TF52156 | TF55156 | TF58156 | TF62156 | TF67156 | TF72156 | TF77156 | TF60156 |
| | **$15.95** | **$15.95** | **$15.95** | **$19.95** | **$24.49** | **$24.49** | **$39.95** | **$39.95** | **$59.95** |
| FL-B | TF49505 | TF52505 | TF55505 | TF58505 | TF62505 | TF67505 | TF72505 | TF77505 | TF60505 |
| FL-D | TF49510 | TF52510 | TF55510 | TF58510 | TF62510 | TF67510 | TF72510 | TF77510 | — |

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### Tiffen CC (Color Correction) Filters

Choose from a complete selection of Red, Blue, Green, Cyan, Magenta and Yellow threaded, glass filters in a selection of densities from CC05 to CC50. Special density filters also are available. For more information on these and other special purpose filters, call 1-888-888-9083 and speak with one of our Technical Sales Representatives.



*Tiffen Pro-Mist 1*

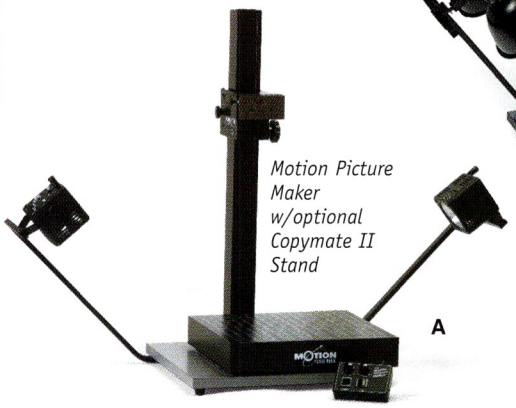


*No Filter*

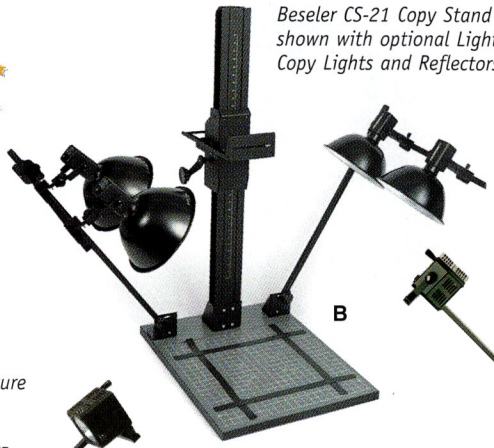
*Photos by Jan Cobb*

| | 49mm | 52mm | 55mm | 58mm | 62mm | 67mm | 72mm | 77mm | Bay 60 |
|---|---|---|---|---|---|---|---|---|---|
| | **$38.49** | **$38.49** | **$38.49** | **$47.95** | **$59.95** | **$59.95** | **$73.95** | **$73.95** | **$108.95** |
| Pro Mist #1 | TF49701 | TF52701 | TF55701 | TF58701 | TF62701 | TF67701 | TF72701 | TF77701 | TF60701 |
| Pro Mist #3 | TF49703 | TF52703 | TF55703 | TF58703 | TF62703 | TF67703 | TF72703 | TF77703 | TF60703 |
| Pro Mist #5 | — | TF52705 | — | — | TF62705 | — | — | — | — |
| Pro Mist Warm Black #1 | TF49711 | TF52711 | TF55711 | TF58711 | TF62711 | TF67711 | TF72711 | TF77711 | TF60711 |
| Pro Mist Warm Black #3 | TF49713 | TF52713 | TF55713 | TF58713 | TF62713 | TF67713 | TF72713 | TF77713 | TF60713 |
| Warm Pro Mist #1 | TF49721 | TF52721 | TF55721 | TF58721 | TF62721 | TF67721 | TF72721 | TF77721 | TF60721 |
| Warm Pro Mist #3 | TF49723 | TF52723 | TF55723 | TF58723 | TF62723 | TF67723 | TF72723 | TF77723 | TF60723 |
| Warm Pro Mist #5 | — | TF52725 | — | TF58725 | TF62725 | — | — | — | — |
| Ultra Contrast #1 | TF49731 | TF52731 | TF55731 | TF58731 | TF62731 | TF67731 | TF72731 | TF77731 | TF60731 |
| Ultra Contrast #3 | TF49733 | TF52733 | TF55733 | TF58733 | TF62733 | TF67733 | TF72733 | TF77733 | TF60733 |
| Ultra Contrast #5 | TF49735 | TF52735 | TF55735 | TF58735 | TF62735 | TF67735 | TF72735 | TF77735 | TF60735 |
| Warm Soft FX #1 | TF49741 | TF52741 | TF55741 | TF58741 | TF62741 | TF67741 | TF72741 | TF77741 | TF60741 |
| Warm Soft FX #3 | TF49743 | TF52743 | TF55743 | TF58743 | TF62743 | TF67743 | TF72743 | TF77743 | TF60743 |
| Warm Soft FX #5 | TF49745 | TF52745 | TF55745 | TF58745 | TF62745 | TF67745 | TF72745 | TF77745 | TF60745 |
| Warm Polarizer | TF49748 | TF52748 | TF55748 | TF58748 | TF62748 | TF67748 | TF72748 | TF77748 | TF60748 |
| Vector Star | TF49750 | TF52750 | TF55750 | TF58750 | TF62750 | TF67750 | TF72750 | TF77750 | TF60750 |
| Hollywood Star | TF49755 | TF52755 | TF55755 | TF58755 | TF62755 | TF67755 | TF72755 | TF77755 | TF60755 |
| North Star | TF49760 | TF52760 | TF55760 | TF58760 | TF62760 | TF67760 | TF72760 | TF77760 | TF60760 |
| Hyper Star | TF49765 | TF52765 | TF55765 | TF58765 | TF62765 | TF67765 | TF72765 | TF77765 | TF60765 |
| | **$38.49** | **$38.49** | **$38.49** | **$47.95** | **$77.95** | **$77.95** | **$109.95** | **$109.95** | **—** |
| STD Hot Mirror | TF49810 | TF52810 | TF55810 | TF58810 | TF62810 | TF67810 | TF72810 | TF77810 | — |
| | **$49.49** | **$49.49** | **$49.49** | **$72.49** | **$87.49** | **$87.49** | **$119.95** | **—** | **—** |
| Close Up Set (+1, +2, +4) | TF49348 | TF52348 | TF55348 | TF58348 | TF62348 | TF67348 | TF72348 | — | — |
| | **$35.49** | **$35.49** | **$35.49** | **$39.95** | **$49.95** | **$49.95** | **$68.95** | **$68.95** | **$84.95** |
| Soft/FX #1 | TF49433 | TF52433 | TF55433 | TF58433 | TF62433 | TF67433 | TF72433 | TF77433 | TF60433 |
| Soft/FX #3 | TF49434 | TF52434 | TF55434 | TF58434 | TF62434 | TF67434 | TF72434 | TF77434 | TF60434 |
| Soft/FX #5 | TF49435 | TF52435 | TF55435 | TF58435 | TF62435 | TF67435 | TF72435 | TF77435 | TF60435 |
| | **$26.49** | **$26.49** | **$26.49** | **$31.49** | **$31.49** | **$31.49** | **$46.49** | **$46.49** | **—** |
| Center Spot | TF49300 | TF52300 | TF55300 | TF58300 | TF62300 | TF67300 | TF72300 | TF77300 | — |
| | **$63.95** | **$63.95** | **$63.95** | **$79.95** | **—** | **—** | **—** | **—** | **—** |
| 4 Pt. Star 1mm | TF49390 | TF52390 | TF55390 | TF58390 | — | — | — | — | — |
| | **$24.95** | **$24.95** | **$24.95** | **$28.95** | **$44.49** | **$44.49** | **$75.49** | **$75.49** | **—** |
| 4 Pt. Star 2mm | TF49391 | TF52391 | TF55391 | TF58391 | TF62391 | TF67391 | TF72391 | TF77391 | — |
| | **$29.95** | **$29.95** | **$29.95** | **$32.95** | **$49.95** | **$49.95** | **$77.95** | **$77.95** | **—** |
| 6 Pt. Star 2mm | TF49395 | TF52395 | TF55395 | TF58395 | TF62395 | TF67395 | TF72395 | TF77395 | — |
| | **$29.95** | **$29.95** | **$29.95** | **$36.95** | **$49.95** | **—** | **—** | **—** | **—** |
| 8 Pt. Star 2mm | TF49397 | TF52397 | TF55397 | TF58397 | TF62397 | — | — | — | — |
| | **$32.95** | **$32.95** | **$32.95** | **$39.95** | **$47.95** | **$47.95** | **$62.95** | **$62.95** | **$117.95** |
| Sepia 2 | TF49492 | TF52492 | TF55492 | TF58492 | TF62492 | TF67492 | TF72492 | TF77492 | TF60492 |
| Sepia 3 w/Lt. Fog | TF49493 | TF52493 | TF55493 | TF58493 | TF62493 | TF67493 | TF72493 | TF77493 | TF60493 |
| | **$11.49** | **$11.49** | **$11.49** | **$12.49** | **$17.49** | **$17.49** | **$29.95** | **$29.95** | **$55.95** |
| 812 | TF49310 | TF52310 | TF55310 | TF58310 | TF62310 | TF67310 | TF72310 | TF77310 | TF60310 |
| | **$52.95** | **$52.95** | **$52.95** | **$79.95** | **$83.95** | **$83.95** | **$96.49** | **$96.49** | **—** |
| Enhancing #1 | TF49305 | TF52305 | TF55305 | TF58305 | TF62305 | TF67305 | TF72305 | TF77305 | — |

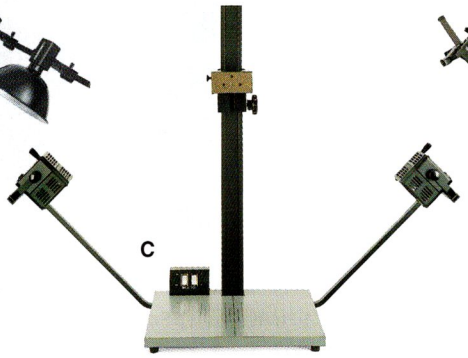
Order Anytime
Day or Night!
Toll Free Fax 1-800-577-3686




*Motion Picture Maker w/optional Copymate II Stand*




*Beseler CS-21 Copy Stand shown with optional Light Arms, Copy Lights and Reflectors.*







### Ⓐ NEW Bencher Motion Picture Maker

Now you can add motion and dimension to your still images or objects for dynamic presentations! With the Motion Picture Maker, you can create panning, scrolling, diagonal movement, zigzag patterns and arcs for a complete menu of fluid-smooth motion effects. The two independent directional switches can be used in any combination to create an endless array of motions. The variable-speed controls precisely start and stop the baseboard at any speed or direction as it smoothly glides over ball bearings. The heavy-duty baseboard features a coated finish to resist scratches and an alignment grid screen for easy set up. The perfect mate for any Bencher copy stand! **BN0125 $949.95**

### Ⓑ Beseler CS-21 Copy Stand

Based on the rigid twin E-channel center-braced column made popular by the 45V-XL Enlarger, the CS-21 features a locking rack and pinion elevation system. Front to back and left to right adjustments are made from the camera platform bracket. Suitable for cameras up to 10 lbs.
Column height: 44", baseboard: 22 x 28".
Maximum recommended copy size is 20 x 20".
**BS8408 $379.95**

**Beseler Copy Light Arms for CS-21**
Set of two adjustable arms with 3/8" studs will hold up to four lights (not supplied). **BS8407 $99.95**

### Beseler CL-600 Copy Lights

Accept screw base standard or reflector lamps up to 600 watts. 3/8" mount. Set of 2. (Requires lamps and reflectors.) **BS8414 $106.95**

R-50 Reflectors 5" (60°) **BS8415 $12.49**
R-100 Reflectors 10" (50°) **BS8420 $14.49**

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*

### Bencher Copymate II Stand

Bencher's Copymate offers professional quality at a modest price.

- 19 x 20" heavy baseboard features a net 16 x 20" working area and grid base for accurate alignment and repeatable copying
- 36" fluted column anodized in black
- Counterbalanced carriage for 35mm which includes in/out centering adjustment
- Bencher exclusive no-shift brake

Includes column and baseboard.
**BN3910 $315.95**

**Ⓒ Bencher Copymate II Quartz Copy Outfit**
Includes stand, two quartz lights, arms and lamps. **BN3900 $539.95**

**Copymate II Accessories**

| | | |
|---|---|---|
| Copylight Control | BN3935 | $99.95 |
| Polarizing Filter Set | BN3930 | $89.95 |

**Copy Light Assembly for TC-1 and TC-2**
With four swivel arm lamp holders for bulbs up to 150 watts. Lamps not included.
**BG5170 $147.95**

150 watt reflector flood bulb **WIDWC $6.95**

### Ⓓ Bencher VP400 Illuma Floor Copy System

Features a 16 x 16" base illuminator set into the baseboard with built-in light intensity controls. Adjustable legs offer a choice of 18" or 30" working heights. System also includes light arms and four Quartz halogen lights. Shipping weight: 148 lbs. **BN5010 $2599.00**

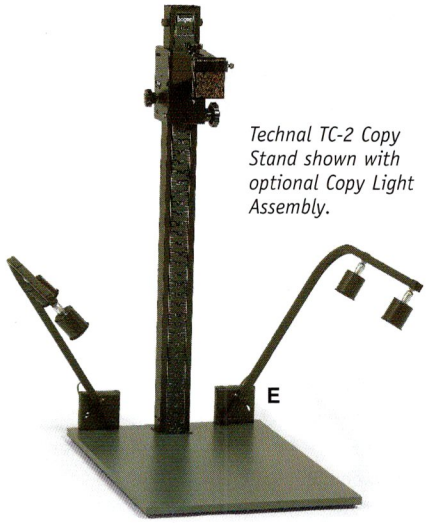
### Bencher VP310 Tabletop Producer

Includes 4' column, carriage, steel baseboard, four halogen lights sidelights, sidelight support arms and sidelight control. **BN6030 $1399.00**

**VP310 Accessories**
Copy Mask Set **BN6052 $89.95**
Book/Copy Hold down **BN6054 $180.95**

### Bencher Replacement Bulbs

| | | |
|---|---|---|
| 300W (each) | BN5028 | $28.95 |
| 300W (set of 2) | BN5029 | $56.95 |
| 300W (set of 4) | BN5030 | $99.95 |
| 600W (each) | WIDYS | $12.95 |




*Technal TC-2 Copy Stand shown with optional Copy Light Assembly.*

### Ⓔ Technal TC-2 Copy Stand

Features 43" graduated column for precise, repeatable results. Spring counter-balanced elevating mechanism with friction drive and lock-down makes adjustments easy. Includes camera arm with adjustable reach, neutral gray baseboard and alignment guide. Specifications:

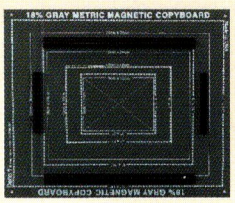
Column Height: 43"
Baseboard Size: 20" x 27"
Working Heights: 9¾" to 40¾"
Crossarm Reach: 6¾" to 10½"
**BG5120 $349.95**

### Magnetic Copy Boards

Holds copy flat, mounts on wall or copy stand. Prevents hot spots.

**11 x 14 Board**
With two 8" and two 10" strips.
**DT3814 $21.95**

**16 x 20 Board**
With two 10" and two 14" strips.
**DT3820 $28.95**




*Bencher offers a full range of accessories. Ask your Calumet sales representative for more details.*




## Bowens Illumitran 3SC

Whether you're duping, enlarging or cropping original slides, making internegs, correcting for over or under exposures, fine-tuning color balance or creating multiple exposure effects onto litho film, the Bowens Illumitran 3SC makes your task a breeze. This versatile unit is loaded with features that are both convenient and inspirational.

While most duplicators require a change of aperture or exposure time to adjust exposure, Illumitran's electronic flash intensity control lets you vary the light over a 2½-stop range without affecting sharpness or reciprocity.

Bowens exclusive contrast control extends the working range of the Illumitran 3SC and adds precision calibrated control and repeatability to your work, which is critical to making the best internegs and better instant prints. It also opens up a much wider range of films that can be used. Includes universal transparency holder for 2 x 2" and 2¾ x 2¾" mounts and unmounted transparencies up to 2¼ x 2¾"and bellows. Requires lens and camera adapters.
**BW5503 $1195.00**

## Bowens Illumitran 3S

This unit includes the same features as the 3SC with the exception of the contrast controller, which can be added later to your system as an accessory. **BW5501K $929.95**

## Duplicator Lenses

**Recommendations:**

- A 60mm lens is recommended for 35mm to 35mm duping with the Illumitran.
- A 75mm lens is recommended for 35mm to 35mm duping with the Beseler Dual-Mode.
- A 105mm lens is required when duping 4x5 to 35mm on the Beselers.

| | | |
|---|---|---|
| 60mm f/4.0 Noflexar | NF2086 | $239.95 |
| 60mm f/5.6 Componon | SC5065 | $899.95 |
| 63mm f/2.8 EL-Nikkor | NL8062 | $249.95 |
| 75mm f/4.0 EL-Nikkor | NL8075 | $179.95 |
| 75mm f/4.0 APO Rodagon | RS5085 | $299.95 |
| 105mm f/4.0 APO Rodagon | RS5097 | $729.95 |
| 105mm f/5.6 EL-Nikkor | NL8105 | $289.95 |

## T-Mounts

Adapts camera bodies to duplicators.

| | | |
|---|---|---|
| Canon FD | BR6600 | $17.95 |
| Nikon | BR6602 | $12.95 |
| Minolta | BR6604 | $13.95 |
| Pentax K | BR6606 | $16.95 |
| Pentax Screw | BR6608 | $11.95 |



## Beseler Dual Mode Slide Duplicators

Beseler's Dual Mode Slide Duplicators are ideal for duplicates, internegatives, title slides and special effects. Both the Standard and Deluxe Duplicators include a Mounted Slide Carrier, 35mm Strip Carrier, Magnifications Slide Kit, MacBeth Color Checker Slide, Flash Sync Cord, quartz halogen lamp and flashtube.

### Standard Dual Mode Slide Duplicator

Equipped with the Universal Camera Mount, this duplicator provides easy mounting of virtually any small or medium format camera. A Bellows Assembly and Variable Contrast Control Assembly are available as options and can be added as necessary. **BS6005 $1499.00**

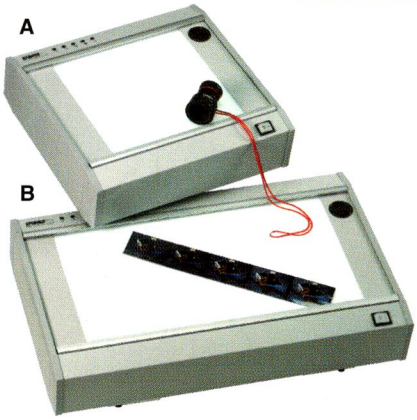
### Deluxe Dual Mode Slide Duplicator

The Deluxe Duplicator features a more powerful flash output (about twice the power of the Standard model) and a voltage-stabilized continuous tungsten light source. The Deluxe comes complete with a Bellows Assembly and Beseler's unique 12-step Variable Contrast Control Assembly. The Universal Camera Mount is available as an option. All you need to complete the unit is a camera, T-mount and high-quality flat field lens.
**BS6002 $1939.00**

### Duplicator Accessories

| | | |
|---|---|---|
| 4 x 5 Diffusion Chamber | BS6060 | $219.95 |
| Bellows for Standard Duper | BS6007 | $237.95 |
| Positive Position 35mm Carrier | BS6009 | $196.95 |
| Universal Camera Mount | BS6070 | $206.95 |
| Replacement Flash Tube | BS6028 | $93.49 |
| Replacement Lamp (250w 82V Quartz Halogen) | WIEVW | $17.95 |

# Graphiclite & Macbeth Viewers




## Graphiclite GLX-LG/GLX D5000 Viewers

For the most accurate, critical viewing of your color transparencies! The Graphiclite LG Series features a unique critical monitoring system called LiteGuard that analyzes light temperature in order to maintain a consistent level of 5000° K daylight. LiteGuard emits a signal to inform you when the unit has finished warming up and has stabilized, when it experiences a voltage drop, when it requires a lamp replacement, and when it reaches 25%, 50%, and 100% of the lamp's recommended color life. In addition to easy wall mounting, all GLX viewers include an adjustable stand which offers varied viewing angles, allowing viewers to lay flat, stand vertically, or incline at approximately 15° or 75°. An integrated handle affords easy portability. Simply the best!

### GLX-10LG/GLX-10 Viewers

Feature a viewing area of 10 x 11" and overall dimensions of 15 x 16 x 5".

**Ⓐ GX2000 (w/LiteGuard) $409.95**
**GX1000 (w/o LiteGuard) $309.95**

### Ⓑ GLX-16LG Viewer

Features a viewing area of 10 x 20" and overall dimensions of 15 x 25 x 5".

**GX2010 (w/LiteGuard) $469.95**

### GLX-20LG/GLX-20 Viewers

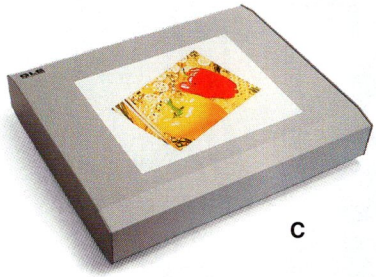
Feature a viewing area of 16 x 20" and overall dimensions of 21 x 25 x 5".

**GX2020 (w/LiteGuard) $549.95**
**GX1010 (w/o LiteGuard) $439.95**

### GLX-44LG/GLX-44 Viewers

Feature a viewing area of 16 x 44" and overall dimensions of 21 x 49 x 5".

**GX2030 (w/LiteGuard) $624.95**
**GX1020 (w/o LiteGuard) $509.95**




### Ⓒ GLE-10 Portable Viewer

This economical viewer fits into a standard briefcase and is perfect for viewing 8 x 10" transparencies. Overall dimensions are 12¼ x 15½ x 3¼". **GX1060 $199.95**

### Graphiclite Relamp Kits

Kits include replacement lamps for specified Graphiclite viewer.

| | | |
|---|---|---|
| For D5000 | GX9031 | $42.95 |
| For GLV-10 and BVS/T | GX9033 | $59.95 |
| For GLX-10 and GLX-10LG | GX9025 | $42.95 |
| For GLX-16LG and Model 29 | GX9030 | $42.95 |
| For GLX-20 and GLX-20LG | GX9035 | $59.95 |
| For GLX-44 and GLX-44LG | GX9040 | $59.95 |

*Prices are subject to change without notice.*

### GLX Slide Overlays

Clear acrylic overlays with L-shaped ledges to hold mounted 35mm slides. One SS-1 fits 10LG and two SS-1s fit 16LG. The larger SS-2 fits 20LG and two SS-2s fit 44LG.

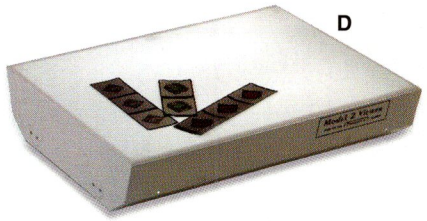
SS-1 Slide Overlay **GX2040 $59.95**

SS-2 Slide Overlay **GX2050 $74.95**

### SS-3 Slide Programming Board

This 24" x 22" slide overlay, holds 120 slides (10 rows of 12 slides each), and offers fast and easy slide placement and retrieval. Features built-in handgrip. For use with Model 2 and Model 4 viewers. **GX8000 $59.95**


**Don't See It?**
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### Economy D5000 Viewers

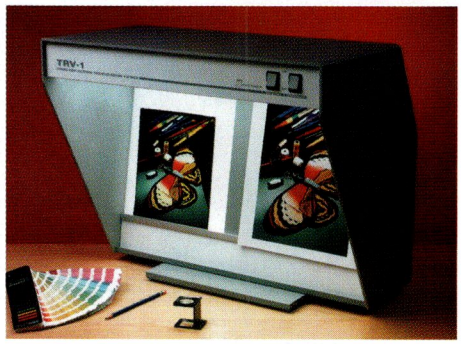
These 2' and 4' viewers feature unsurpassed full-spectrum Graphiclite color viewing lamps for soft, color-precise 5000°K illumination. Can be used on a table-top or wall-mounted, and when combined with accessory SS-3 Programming Boards, these viewers become versatile transparency editing systems. Viewers come with a table stand which will hold viewer at 20° angle for slide sorting or 75° angle for slide programming.

**Ⓓ 2' Slide-Sorting Viewer, Model 2**

Provides a 24" x 19" viewing area, and accepts one SS-3 board. **GX4000 $249.95**

**4' Slide Sorting Viewer, Model 4**

Provides a 48" x 19" viewing area, and accepts two SS-3 boards. Stand included. **GX4010 $279.95**




### D5000 TRV-1 Print & Slide Viewer

Features a vertical viewing surface, shielded from extraneous room-light and a versatile mask permitting side-by-side comparisons of prints to transparencies. Reflection Viewing Area: 14 x 24", Transmission: 12.5 x 23". **GX6010 $799.95**

### Economy D5000 Viewer Floor Stand

Specifically made for the 2' Slide-Sorting Viewer, Model 2, this Floor Stand can hold one viewer horizontally while it holds another at a 20° angle for slide sorting or 70° angle for slide programming. **GX5025 $199.95**

### Macbeth Prooflites

Long considered as "standards" in the graphic arts and photo lab industries, these Macbeth 5000°K viewers offer exceptionally even and balanced illumination, with no hot spots or shadows on transparencies. Illumination is not so bright as to wash out a chrome or cause eye fatigue, rather just right to reveal toning and shading of both light and dark colors. Electronic energy-saving ballast ensures noiseless instant starts with cool, flicker-free operation. All Prooflite viewers feature a built-in stand that allows for vertical, horizontal and angular positioning, as well as wall mounting.

**PLT-1010 Prooflite**

Features a 10 x 10" viewing area in a sturdy 15¼ x 16¼ x 4" housing. **MB1102 $367.95** Lamp Kit PLT-1010 **MB1540 $49.95**

**PLT-1620 Prooflite**

A 16 x 18" viewing area is ideal for large format chromes. Housing measures 21½ x 25 x 4". **MB1150 $486.95** Lamp Kit PLT-1620 **MB1550 $49.95**

**PLT-1642 Prooflite**

Perfect for slide sorting and viewing many chromes or negatives at once. Housing is 21½ x 49 x 4". **MB1350 $590.95**

Lamp Kit PLT-1642 **MB1560 $39.95**

10" x 10" Slide Sorting Grid **MB1600 $24.95**

16" x 18" Slide Sorting Grid **MB1610 $24.95**

*For optimum color correction, bulbs should be replaced twice a year.*




## Acculight Viewer/Editor System

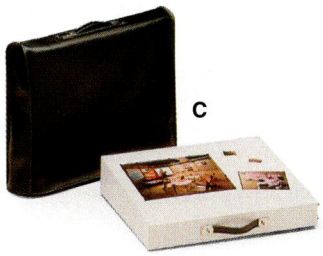
View slides and transparencies clearly and conveniently with this special modular system. Features ANSI standard 5000°K light source and CRI rating of 91+ which meets the strictest color rendition demands of any professional.

Options include five mounting positions, double-capacity viewing capabilities with Accuframe, Acculock storage/retrieval overlay and Acculight Sorter/Tray.

**Ⓐ 4' Slide and Transparency Viewer/Editor**
5000°K light, CRI rated 91+
**KN1000 $307.95**
Replacement Bulb **KN5000 $24.95**

**2' Slide and Transparency Viewer/Editor**
5000°K light, CRI rated 91+
**KN1020 $230.95**
Replacement Bulb **KN5005 $24.95**

**Ⓑ Stand for 4' Viewer Editor**
This stand will hold one or two 4 ft. Acculights (KN1000) and is adjustable for two convenient heights — standing or sitting. All steel construction with white painted finish, and four 2" casters (two locking). Overall Dimensions: 42 x 28 x 40¾". Weight: 40 lbs.
**KN4000 $258.95**

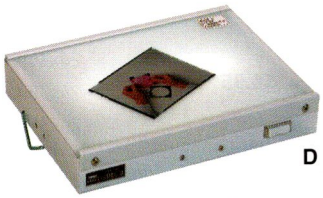



## Acculight Accessories

**Acculock Spillproof Overlay**
For 2 x 2" mounts (72 capacity)
**KN1015 $41.95**

**Acculight Coupling Frame**
Connects two 4 ft. or 2 ft. viewers for horizontal and vertical viewing. Black finish. **KN1025 $44.95**

**Ⓒ Portable Viewer/Sorter**
Viewing area is 17³⁄₁₆ x 12³⁄₈". Capable of viewing up to 48 2 x 2" slides. 5000°K light. Complete with protective vinyl cover.
Weight: 12½ lbs. **KN1040 $126.95**
Replacement Bulb **KN5010 $24.95**




## Logan Transparency Viewers

Who ever said that economical desktop slide viewers can't be color-accurate? Logan viewers, designed to be used flat on a table, inclined, or hung on a wall, feature 5000° K fluorescent bulbs with CRI ratings of 91 or better.

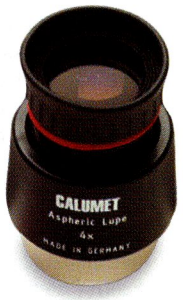
These light boxes are all steel, welded construction, with a putty beige baked-enamel finish. Viewing surfaces are durable translucent acrylic. 110-120v, 10 ft. cord.

**24" x 16" Tru-View Light Box**
Two ANSI standard 5000°K 20w fluorescent lights with a CRI rating of 91+. 24" x 16" x 3¾".
**LV2400 $233.95**
Replacement Bulb **LV5000 $15.95**

**Ⓓ 8 x 10" Desk Top Light Box**
ANSI standard 5000°K 20w fluorescent light with a CRI rating of 91. 12½ x 9½ x 2".
**LV1810 $62.95**
Replacement Bulb **LV5030 $15.95**




**NEW Calumet Aspheric Magnifier 6x6**
This new 3X magnifier resolves even the finest details with high contrast over the entire image field with an object diagonal of 86mm. Its viewing skirt is "reversible" for contact and eye-level viewing. Provides diopter correction from 0 up to -2.0.
**CC1005 $149.95**




**Calumet 4X Magnifier**
With its aspheric, twin lens design, this 4x magnifier offers exceptional imaging quality over the entire 35mm film format. Its 43mm image field diameter and integrated adjustable tube for darkening allow you to switch from viewing a 35mm transparency at full size to a photo in one easy motion. **CC1000 $99.95**

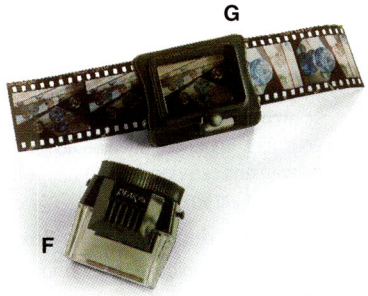



**Ⓔ Schneider 4X Wide Angle Lupe**
Features flat-field, distortion-free, color-corrected optics for optimum viewing of full-frame 35mm slides, negatives and contact sheets, or ground glass focusing. Incl. clear and opaque skirts, and adjustable eyepiece. **SC8040 $109.95**

**Schneider 6 x 6 Magnifier**
For viewing the full 6 x 6 cm image. Fits perfectly on the focusing screen. Includes opaque and clear skirts. 3.3X magnification. **SC8020 $199.95**

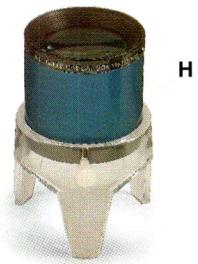


**Peak 4X Anastigmatic Lupe**
Optically corrected for curvature of field and aberrations to ensure edge-to-edge sharpness. Features removable millimeter scale and clear barrel. Ideal for 35mm and 2¼" slides. 3¾" x 3" diameter.
**PC1990 $169.95**



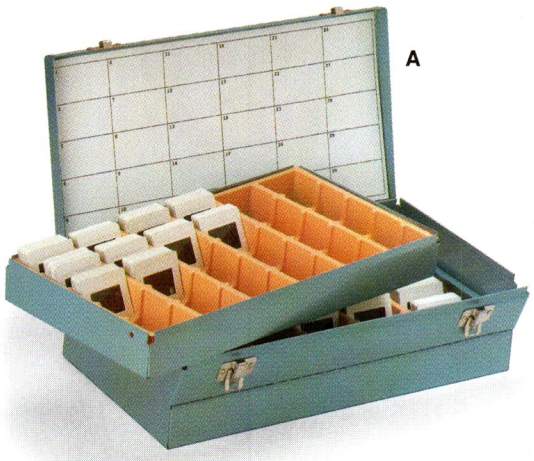

**Ⓕ Peak 8X Viewing Lupe**
Designed for viewing 35mm negatives. Covers 24mm x 35mm area. Features graduation on bottom of skirt. **PC1910 $31.95**

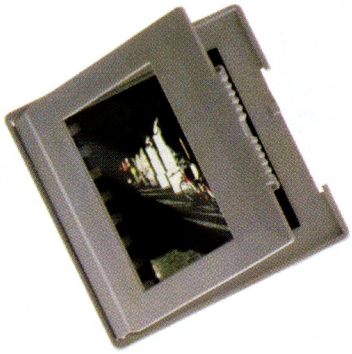
**Ⓖ Puncher and Holder for 8X Viewing Lupe**
Fits onto the lupe for checking and marking negatives, and viewing slides. **PC1915 $14.95**

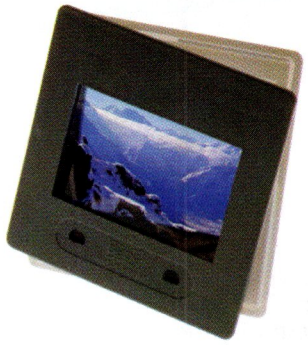



**Ⓗ Bestwell 8X Maxi-Loupe**
Offers true color rendering, high resolution and contrast. View 35mm and roll film slides, negatives or contact prints by reflected light. Can be adjusted to users' eyesight. 3 x 2½" diameter. **B02000 $35.95**

**Agfa 8X Lupe**
An economical, classic lupe to view contact sheets, negatives and slides. Features clear plastic skirt.
**AG1000 $7.49**









## Logan Slide Boxes

Rugged metal slide storage/transport boxes insure scratch-proof protection and quick retrieval of all your 2x2" mounted slides. Each box includes a convenient carrying handle and a removable index chart for easy reference.

**Logan Individual Slide File Box**

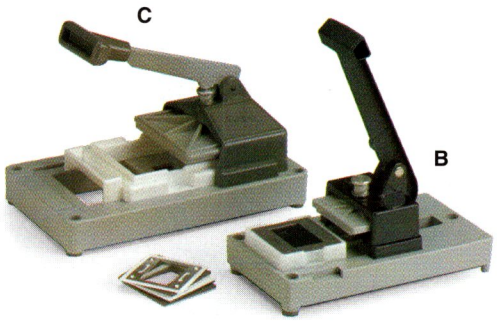
Plastic insert holds up to 300 individual slides.
**LV1115 $12.95**

**Logan Group Slide File Box**

Holds up to 750 slides behind positionable dividers. **LV1200 $13.95**

**Ⓐ Logan Double Tray Group Slide File Box**

Holds up to 1500 slides in two trays.
**LV1500 $23.95**




## Gepe Mounting Equipment

Ensures mounting speed and accuracy.

| | | |
|---|---|---|
| Ⓑ Mounting Press for 2 x 2" Mounts | GM8001 | $52.95 |
| Film Cutter for 2 x 2" Press | GM8007 | $5.95 |
| Ⓒ Mounting Press for 23/4 x 23/4" Mounts | GM8002 | $44.95 |
| Adapter for 6 x 7 Mounts | GM8005 | $9.95 |

**Gepe Hand Mounting Unit**

Mounts up to 400 slides per hour. Accepts Gepe 2 x 2" glassless, glass and pin registered mounts. Includes cutter. **GM8010 $519.95**

## Wess Slide Mounts

These professional-quality 2x2" plastic mounts are available in a wide range of styles, including with or without Anti-Newton glass and/or pin-registration. All are light gray on both sides.

**Peg Slide Mounts**

Ensures film-position stability in mount. For use with pin-registered camera systems.

With Anti-Newton Glass (50 mounts)
**WM1000 $12.95**

Glassless (50 mounts) **WM1002 $6.95**

**Variable Registration Mounts**

For precise positioning of film not exposed with pin-registered cameras. Requires 35mm VR-Hand Punch (listed below).

With Anti-Newton Glass (50 mounts)
**WM1003 $12.49**

Glassless (50 mounts) **WM1004 $6.95**

**35mm VR-Hand Punch**

Two-hole punch for Variable Registration mounts. Also used for superimposing two images in a single VR mount. **WM4002 $43.95**

**General Purpose Mounts**

For mounting slides which do not require exact placement within the mount. Holds the film squarely in position.

With Anti-Newton Glass (50 mounts)
**WM1005 $12.49**

Glassless (50 mounts) **WM1007 $8.49**

**Wess Computer/Typewriter Slide Labels**

1000 ¼ x 1½" self-adhesive labels, four-across on 8" carrier sheet punched for tractor feed. Perforated every 4". **WM4080 $16.49**

## Pakon Slide Mounts

These economical, 2x2" plastic slide mounts hold film tightly in place, and are resistant to heat and moisture.

**100 Pakon Mount Pack**

Includes plastic storage box and small hand mounter. **BR2410 $11.49**

500 Pakon Mount Bulk Pack **BR2420 $33.49**

2500 Pakon Mount Bulk Pack **BR2430 $99.95**

## Kodak Slide Mounts

100 flat cardboard ready mounts. Require heat to seal. **KA1901 $14.00**

**Don't See It?**
**Call Us! We Carry Over 35,000 Products**

## Gepe Slide Mounts

Gepe slide mounts are made of heat-resistant plastic and ventilated for maximum protection of your film. They are also easy to mount and are re-usable.

**Glassless 2x2" Mounts**

Economical 2mm-thick plastic mounts.
(100 per box) **GM7001 $8.95**

**Glass 2x2" Mounts**

In plain and Anti-Newton glass, with and without pin registration. (20 per box)

| | | |
|---|---|---|
| 24x36mm Plain Glass | GM6001 | $6.95 |
| 24x36mm Anti-Newton Glass | GM6002 | $6.95 |
| 24x36mm Anti-Newton Glass w/pin registration | GM6006 | $7.95 |
| 40x40cm Super Anti-Newton Glass | GM6901 | $9.95 |

**Glass 2¾ x2¾" Mounts**

Available in 6x4½cm and 6x6cm formats. Adapter available for 6x7cm mounts. 3mm-thick.

6x4.5cm Anti-Newton Glass (20/box)
**GM2501 $17.95**

6x6cm Anti-Newton Glass (20/box)
**GM2601 $17.95**

6x7cm Anti-Newton Glass (10/box)
**GM2701 $19.95**

## Kodak Carousel Slide Trays

Ektagraphic Universal Tray 2

Accepts 80 - 2x2" slides up to ⅛" thick.
**KA1800 $12.49**

**Ektapro 80 Covered Tray**

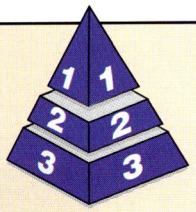
Accepts 80 - 2x2" slides up to ⅛" thick.
**KA1810 $17.95**

**Carousel Transvue 80 Tray**

Accepts 80 - 2x2" slides up to 1/10" thick.
**KA1820 $9.95**

**Carousel Transvue 140 Tray**

Accepts 140 - 2x2" slides up to 1/16" thick.
**KA1830 $14.95**




CALUMET'S
PORTFOLIO PYRAMID

## The Portfolio Pyramid

As a professional photographer you and your studio produce thousands, if not hundreds of thousands of images in all sorts of formats and media, some of which you will use today, some next month, and some ten years from now. How do you keep it all straight? Well, it really isn't as frustrating as it seems if you separate your work into three categories in what we at Calumet call the Portfolio Pyramid.

**3. At the Base:**
You undoubtedly have many negative, transparency and print archives that you must keep completely accessible and yet securely stored. These items occupy the foundation, the largest part of your Portfolio Pyramid. They should always be stored in economical archival pages and boxes where they can remain clean, safe, and out of the way.

**2. At the Center:**
Most of your current project and portfolio images fall into this broad band of your Portfolio Pyramid. Placing them in black viewing pages or presentation sleeves will provide you both instant access and an elegant display in one package, and will allow you to keep a number of different portfolios handy to meet the specific tastes and needs of individual clients.

**1. At the Pinnacle:**
For that all important appointment with your major clients, place your very best images into new presentation pages and then into the finest display binders, books, and portfolios. This very select group of images occupies the summit of your Portfolio Pyramid, and demands the highest quality presentation products available.

Look for Calumet's Portfolio Pyramid symbol on the next few pages for help in choosing just the right presentation and storage solution for your own photographic archives and portfolios.




CALUMET'S
PORTFOLIO PYRAMID

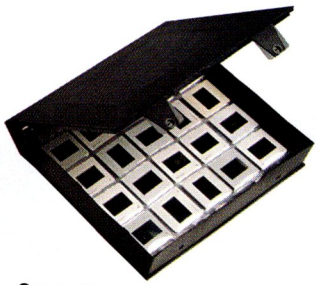


## Calumet Heavy-Weight Slide Pages

Calumet's high quality, heavy-duty slide pages hold, protect and present up to 20 2 x 2" mounted slides. These top-loading pages are made of 8-gauge virgin vinyl, and are 3-hole punched for easy binder storage and retrieval.

**Individual Slide Page**

| | |
|---|---|
| TW1000 | $.49 |
| 25 or more | $.46 ea. |
| 100 or more | $.40 ea. |



## Calumet Safekeeper Storage Box

Safely store your negatives, transparencies or prints in the Calumet Safekeeper 3-ring storage box. Dust-free storage is guaranteed with its archivally safe, polypropylene construction, smooth-action hinges and sure-snap locks. Its 10 x 11¾" I.D. and three locking rings fit most storage pages.
**BC1013 (1) $10.95 (10) $89.50**

## Calumet Archival Storage Pages

These versatile, archival-quality polypropylene storage pages provide excellent clarity, strength, and protection for all your valuable film and transparencies. Made of 2.5 Mil virgin polypropylene, Calumet storage pages are specifically designed for safe long-term preservation of your images, and come in a variety of popular formats to meet your every need.

All pages fit Calumet's 3-ring Safekeeper Storage Box (see below), standard ring binders, or can be suspended in file boxes and drawers with the aid of a plastic hanger spine, which slides easily into the custom channel built into each page.

Calumet pages are crystal clear, making it easy to contact print without removing your film from the page. And for added storage, filing, and retrieval convenience, each page features a matte data panel for writing important information, job dates, client names, project info, reference codes or any other pertinent data you need to keep handy. Order in packages of 100 and save!

**A 35mm, 7 Strip, 5 Frame**
AD1025 (pkg of 25) $4.95
AD1000 (pkg of 100) $17.95

**B 35mm, 6 Strip, 6 Frame**
AD1075 (pkg of 25) $4.95
AD1050 (pkg of 100) $17.95

**C 35mm, 20 Slides, Heavy Duty**
AD4025 (pkg of 25) $5.95
AD4000 (pkg of 100) $19.95

**D 120, 3 Strip, 4 Frame**
AD2025 (pkg of 25) $4.95
AD2000 (pkg of 100) $17.95

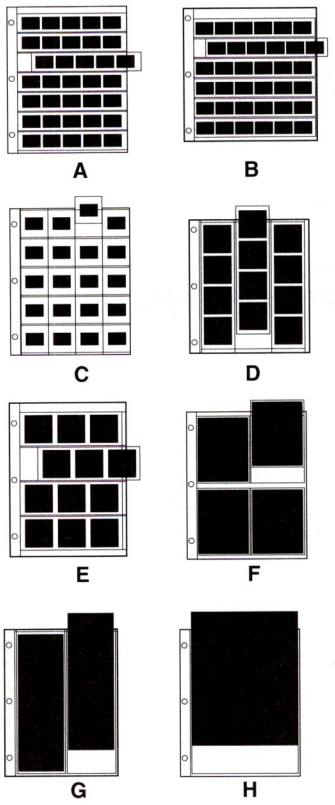
**E 120, 4 Strip, 3 Frame**
AD2075 (pkg of 25) $4.95
AD2050 (pkg of 100) $17.95

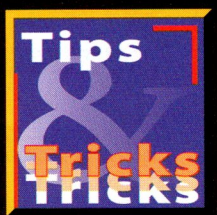
**F 4x5 Sheet, 4 Frames**
AD3025 (pkg of 25) $4.95
AD3000 (pkg of 100) $17.95

**G 120 Panorama, 2 Strip, 1 Frame (6x17)**
AD2325 (pkg of 25) $3.95
AD2300 (pkg of 100) $15.95

**H 8x10 Sheet, 1 Frame**
AD3525 (pkg of 25) $4.95
AD3500 (pkg of 100) $17.95

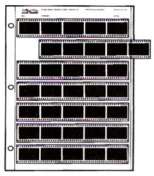
**File Hanger Spine**
MS8440 (pkg of 25) $5.95
(Fits all Calumet pages.)



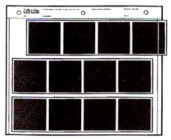

### A word about Polypropylene

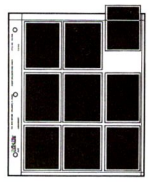
**Polypropylene is a cost-effective alternative to Mylar for long term storage of both film and prints. It is recognized by the National Standards Institute PH 1.53-1986 as particularly suitable for photographic film because it is "generally inert, unplasticized and has good chemical stability."**

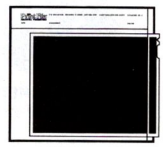

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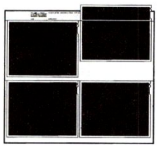

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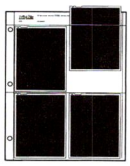

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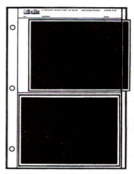

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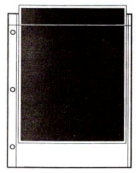

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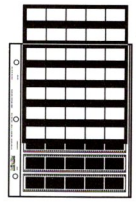

F

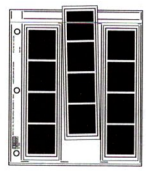

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## Print File

Keep your original film, transparencies and prints organized and well-protected in Print File's tremendous selection of archival-quality storage pages. These polyethylene pages are strong yet thin (approximately .0015" thick), and clear enough to expose right through for easy contact printing. Print File's Ultima preservation pages (ULT) are specially designed for strips of film that are already in individual sleeves, minimizing direct contact with film and providing double storage protection for your negatives (see Oversized Sleeves).

| Product Description | Item No. (qty) | Price |
|---|---|---|
| **35mm** | | |
| 7 Strips, 6 Frames (35-7)* | MS8530 (100) | $18.49 |
| 7 Strips, 6 Frames, w/Header (35-7A) | MS8535 (100) | $39.95 |
| 7 Strips, 6 Frames, 3-Hole (35-7B) | MS8510 (25) | $5.95 |
| Ⓐ 7 Strips, 5 Frames, 3-Hole (35-7B) | MS8540 (100) | $19.95 |
| 7 Strips, 4 Frames, 3-Hole (35-7B4) | MS8527 (25) | $5.95 |
| 7 Strips, 6 Frames, 3-Hole (35-7BXW)* | MS8529 (100) | $22.95 |
| Ⓑ 6 Strips, 6 Frames, 3-Hole (35-6HB)* | MS8550 (25) | $5.95 |
| Ⓑ 6 Strips, 6 Frames, 3-Hole (35-6HB)* | MS8545 (100) | $19.95 |
| **Slides** | | |
| Ⓒ 20 35mm Slides, 3-Hole (2x2-20B) | MS8580 (25) | $8.95 |
| Ⓒ 20 35mm Slides, 3-Hole (2x2-20B) | MS8585 (100) | $26.95 |
| 20 35mm Slides, Hanging (2x2-20H) | MS8587 (100) | $29.95 |
| 20 35mm Slides, Hvy. wt., 3-Hole (2x2-20HB) | MS8634 (25) | $10.95 |
| 20 35mm Slides, Hvy. wt., 3-Hole (2x2-20HB) | MS8636 (500) | $170.95 |
| 12 120mm Slides, 3-Hole, Hanging file (225-12HB) | MS8610 (100) | $29.95 |
| **120 roll film** | | |
| Single 4 Frame Strips (120-1) | MS8552 (100) | $7.95 |
| 3 Strips, 4 Frames, 3-Hole (120-3A) | MS8556 (100) | $39.95 |
| Ⓓ 3 Strips, 4 Frames, 3-Hole, Hanging file (120-3HB) | MS8553 (100) | $19.95 |
| 4 Strips, 3 Frames, 3-Hole (120-4B) | MS8515 (25) | $5.95 |
| 4 Strips, 3 Frames, 3-Hole (120-4B) | MS8560 (100) | $19.95 |
| Ⓔ 6x7cm, 9 single frames, 3-Hole, Hanging file (120-9HB)* | MS8557 (25) | $8.49 |
| 4 Strips, three 6x7cm Frames, 3-Hole (120-4UB)* | MS8561 (100) | $22.95 |

| Product Description | Item No. (qty) | Price |
|---|---|---|
| **70mm** | | |
| 3 Strip, Hanging, 3-Hole (70-3HB) | MS8570 (100) | $22.95 |
| **Large Format** | | |
| Ⓕ Single 4x5 Sheet (45-1) | MS8564 (100) | $8.95 |
| Ⓖ 4 4x5 Sheets, Hanging file (45-4B) | MS8503 (25) | $5.95 |
| Ⓗ 4 4x5 Sheets, 3-Hole (45-4B) | MS8505 (100) | $19.95 |
| 4 4x5 Polaroid Sheets, 3-Hole (45-4HBPOL) | MS8508 (100) | $19.95 |
| Ⓘ 2 5x7 Sheets, 3-Hole, (57-2B) | MS8566 (100) | $19.95 |
| Ⓙ Single 8x10 Sheet, 3-Hole (810-1B) | MS8650 (25) | $5.95 |
| Ⓙ Single 8x10 Sheet, 3-Hole (810-1B) | MS8645 (100) | $19.95 |
| **Ⓚ Contact Proofing Preserver** | | |
| Holds 7 5-frame strips, 1 8x10" contact print | MS8700 (25) | $10.95 |
| Holds 7 5-frame strips, 1 8x10" contact print | MS8702 (100) | $35.95 |

### Oversized Sleeves

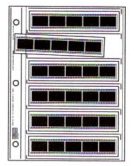
These negative storage sheets are made with an extra-generous sleeve for room to organize even strips of film already in protective single-strip sleeves.

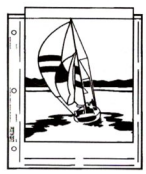
Ⓛ 120 format, 3 Oversized Strips, 3-Hole. Holds 12 frames of 6x6, or equivalent, (ULT 120-3HB)* **MS8555 L (100/pkg) $23.95**

Ⓜ 35mm, 6 Oversized Strips, 5 Frames, 3-Hole, (ULT 35-6HB)* **MS8547 M (100/pkg) $23.95**

| Print Pages | | |
|---|---|---|
| Eight 3 1/2 x5 prints (35-8P) | MS8665 (25) | $8.95 |
| Ten 3 1/2 x5 prints (35-10P) | MS8680 (25) | $8.95 |
| Eight 4x5 prints, or four negs (45-8P) | MS8670 (25) | $8.95 |
| Four 5x7 prints, or two negs (57-4P) | MS8675 (25) | $8.95 |
| Six 4x6 prints (46-6P) | MS8685 (25) | $8.95 |
| Ⓝ Two 8x10 prints, or one neg (810-2P) | MS8690 (25) | $8.95 |
| Two 8 1/2x11 prints (811-2P) | MS8695 (25) | $8.95 |
| Two 11x14 Prints (PF-1114-2P) | MS8697 (100) | $19.95 |
| Two 16x20 Prints (PF-1620-2P) | MS8699 (100) | $29.95 |
| **Thousand-Foot Rolls** | | |
| 35mm 1000' Roll (35-1M) | MS8590 | $23.95 |
| 120mm 1000' Roll (120-1M) | MS8592 | $29.95 |
| **Accessories** | | |
| File Hangers for "H" pages (SLB-1) | MS8440 (25) | $5.95 |
| Ⓞ Oversized Custom Binder for "B" pages | MS8420 | $11.95 |
| Ⓟ Custom Proofer w/heavy optical glass cover | MS8400 | $29.95 |

**These pages only fit Print File's Oversized Custom Binder.*

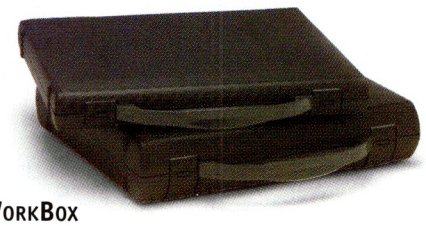

M


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O


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## WorkBox

This fully enclosed box binder is dust and weather resistant to protect your work. Featuring a sleek, contemporary design and made of archival-quality polypropylene, the WorkBox has a detachable briefcase-style handle and snap tight latches for additional security.

| | | |
|---|---|---|
| 1" Deep (Gray) | MS8416 | $9.95 |
| 1" Deep (Black) | MS8412 | $9.95 |
| 2.5" Deep (Gray) | MS8414 | $11.95 |
| 2.5" Deep (Black) | MS8410 | $11.95 |



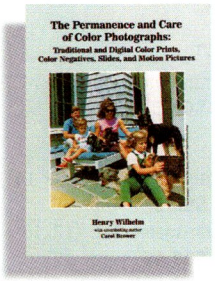


## Kodak PhotoFile Index Storage Chest

Your most prized and irreplaceable negatives and chromes absolutely need the added security of our new UL-approved, fire-rated storage chest. Water-resistant organizer box will hold up to 150 4x5 sleeves. Includes dividers, a convenient carry handle and a key lock for added security. Keep one at home and one at the studio.

**Storage Chest:**
8½ x 14¼ x 11" O.D.
(5¾ x 12 x 7½ I.D.)

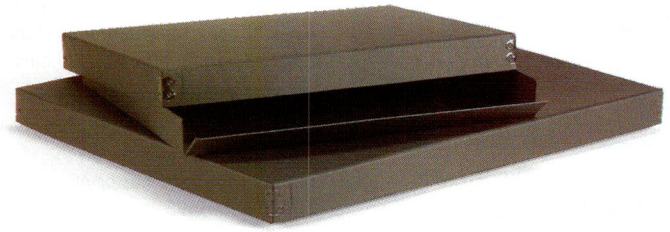
**Organizer Box:**
4¾ x 10 x 6⅜ I.D. **LJ6200 $59.95**




## The Permanence and Care of Color Photographs

*Henry Wilhelm & Carol Brower*

Jammed with extensive information on the care and preservation of traditional and digital color prints, color negatives, slides and transparencies, motion pictures, and many other color formats and processes. Comprehensive, fully researched and very reasonably priced, this hefty book is all you'll ever need to preserve and protect all of your color materials, old and new. 744 pp., fully illus., 8½ x 11", HB.
**IP2387 $39.95**

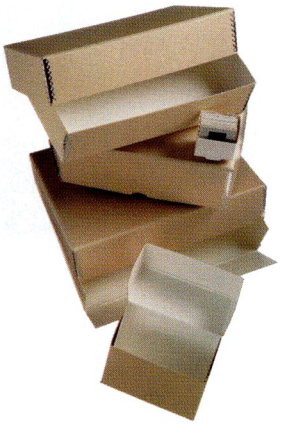


## Black Archival Storage Boxes

Add a decidedly elegant look to your photographic archive with these versatile black archival drop-front storage boxes. Made of high quality acid- and lignin-free buffered board reinforced with black metal edges.

**11x14 Black Storage Box**
11½ x 14½ x 1½" **LJ6704 $9.95**
11½ x 14½ x 3" **LJ6700 $9.95**

**16x20 Black Storage Box**
16½ x 20½ x 1½" **LJ6706 $17.95**
16½ x 20½ x 3" **LJ6702 $17.95**



## Archival Storage Boxes

For maximum protection of photographic materials, all boxes are made from a sulphur- and lignin-free alpha cellulose with a tan alkaline buffered exterior and a neutral pH, non-buffered interior. A core polyester barrier prevents humidity fluctuations and protects against harmful compounds such as ozone.

### Ⓐ Drop-Front Print Storage Boxes

With drop front panel for easy print access.

| Print Size | Interior Dimensions | Part No. | Price |
|---|---|---|---|
| 8x10 | (8½ x 10½ x 3") | LG3000 | $12.95 |
| 9x12 | (9½ x 12½ x 3") | LG3002 | $12.95 |
| 11x14 | (11½ x 14½ x 3") | LG3004 | $12.95 |
| 16x20 | (16½ x 20½ x 1½") | LG3006 | $18.95 |
| 16x20 | (16½ x 20½ x 3") | LG3008 | $18.95 |
| 20x24 | (20½ x 24½ x 1½") | LG3010 | $23.95 |

### Ⓑ Flip-Top Negative Storage Boxes

2½" deep boxes with easy access hinged top.

| Print Size | Interior Dimensions | Part No. | Price |
|---|---|---|---|
| 4x5" | (6 x 4⅞ x 2 9/16") | LG3200 | $6.95 |
| 5x7" | (8 x 5⅞ x 2 9/16") | LG3202 | $6.95 |
| 8x10" | (11 x 8⅞ x 2 9/16") | LG3204 | $10.95 |

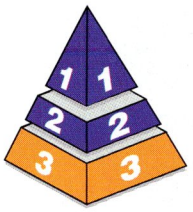
### 4x5 Bulk Storage Box with Dividers

10½ x 5¾ x 4½" one-piece box. Movable block keeps negatives upright. **LG3206 $13.95**

### Ⓒ 400 Slide Storage Box

This 11¼ x 6 x 2½" two-piece box holds up to 400 slides in twenty holders. **LG3100 $11.95**

*Prices are subject to change without notice.*




**CALUMET'S PORTFOLIO PYRAMID**
(see page 181)



## Calumet Polypropylene Sleeves

These economical archival-quality storage sleeves will protect your negatives, transparencies, or prints from such image-degrading elements as dust, heat, humidity, and fingerprints. Each page is a single sheet of 3 Mil polypropylene, with one folded edge that lies truly flat opposite one open edge fold.

**35mm Slides 2x2" Poly Sleeve Clear**
PL1045 (pkg of 100) $9.95

**4x5 Poly Sleeve Clear**
PL1050 (pkg of 25) $4.95
PL1055 (pkg of 100) $14.95

**4x5 Poly Sleeve Frosted**
PL1250 (pkg of 25) $4.95
PL1255 (pkg of 100) $16.95

**5x7 Poly Sleeve Clear**
PL1060 (pkg of 25) $5.95
PL1065 (pkg of 100) $16.95

**8x10 Poly Sleeve Clear**
PL1070 (pkg of 25) $11.95
PL1075 (pkg of 100) $44.95

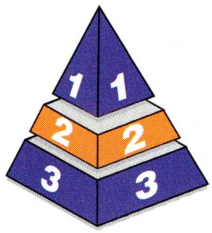
**8½x11 Poly Sleeve Clear**
PL1080 (pkg of 25) $19.95
PL1085 (pkg of 100) $74.95

**11x14 Poly Sleeve Clear**
PL1090 (pkg of 25) $20.95
PL1095 (pkg of 100) $69.95

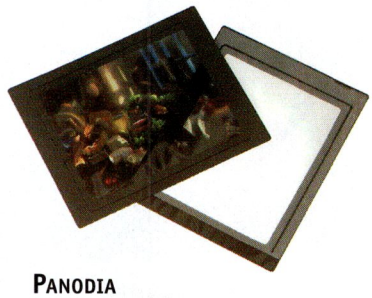
**16x20 Poly Sleeve Clear**
PL1100 (pkg of 25) $46.95
PL1105 (pkg of 100) $174.95

# Transparency & Slide Mounts





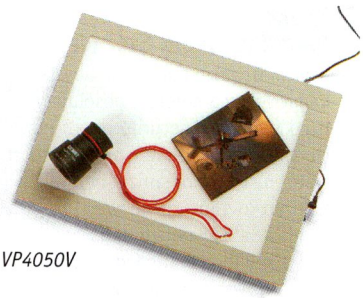

**CALUMET'S PORTFOLIO PYRAMID**
(see page 181)



## Panodia Presentation Sleeves

These high quality vinyl transparency sleeves feature wide opaque black borders for a professional look. The back of the sleeve is frosted for even light distribution.

For 6x6cm (25 pkg.) PH1450 $12.95
For 6x7cm (25 pkg.) PH1460 $12.95
For 4x5 (25 pkg.) PH1470 $18.95
For 8x10 (25 pkg.) PH1480 $55.95



*VP4050V*

## Savage Pre-Vu Mounts

Simply slide your transparencies into individual, precision die-cut openings for a clean and professional appearance. Each Mount is finished in flat black and is rigidly constructed of pressed cardboard.
Included with each Mount is a protective plastic cover sleeve with frosted back and masks. Dimensions in parentheses designate outside dimensions of page.

**For 35mm – 12**
Holds 12 mounted slides. (8½x11") **SG7200 $9.95**
Holds 12 mounted slides. (11x14") **SG7010 $9.95**

**For 35mm – 20**
Holds 20 mounted slides. (12x16") **SG7020 $11.49**

**For 6x4.5cm – 12**
Holds 12 mounted transparencies.(12x16") **SG7052 $11.49**

**For 6x6cm**
Holds 6 mounted transparencies. (11x14") **SG7000 $9.95**
Holds 12 mounted transparencies. (12x16") **SG7030 $11.49**

**For 6x7cm – 6**
Holds 6 mounted transparencies. (12x16") **SG7040 $11.49**

**For 6x9cm**
Holds 4 transparencies. (11x14") **SG7006 $9.95**

**For 4x5**
Holds 2 transparencies. (11x 14") **SG7002 $9.95**
Holds 4 transparencies. (12x16") **SG7050 $11.49**

**For 5x7 or 8x10**
Holds one 5x7 or 8x10 transparency. (11x14")**SG7004 $9.95**

**Replacement Sleeves**
11x14" (10 pkg.) **SG7080 $15.95**
12x16" (10 pkg.) **SG7100 $18.95**

## Visual Plus Slim Transparency Viewers

These super slim viewers are perfect for showing your slides, negatives and 4x5 transparencies anywhere you go. Smaller models can easily fit into your camera bag while the deluxe model can slide right into your briefcase for client presentations. They feature a bright illumination with less than 2% variance, and a daylight color temperature of 5000° ±300° K. Lamp life: 10,000 hours.

**VP6050V Slim Portable Viewer**
With 4⅛ x 5½" viewing surface. ¾" deep, 8.11 oz. Operates on 9V battery (not included) or AC.
**TU9200 $59.95**

**VP5050V Slim Portable Viewer**
With 6 x 8" viewing surface. 1" deep, 1.6 lbs. (AC only) **TU9205 $142.95**

**VP4050V Slim Deluxe Portable Viewer**
With 8½ x 12⅛" viewing surface. 1" deep, 3 lbs. (AC only)
**TU9210 $199.95**

## Photofile Quik Mounts

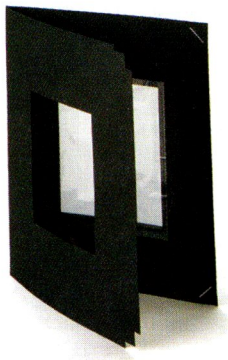
The perfect way to present your transparencies without any stripping or taping! Just slip your transparency into Quik Mount's archivally safe Mylar® polyester pocket, fold over the 80 lb. acid-free black cover flap and slip the die-cut corners into place to 'lock' Quik Mount closed... completely concealing the pocket edges! All sizes feature frosted back, except 6x17, which features a clear back. Dimensions in parentheses designate outside dimensions of page.

**For 6x4.5cm - (4x5")**
25 pkg. **PL3026 $23.95**
100 pkg. **PL3025 $79.95**

**For 6x6cm - (4x5")**
25 pkg. **PL3001 $23.95**
100 pkg. **PL3000 $79.95**

**For 6x7cm - (4x5")**
25 pkg. **PL3009 $23.95**
100 pkg. **PL3008 $79.95**

**For 6x9cm - (4x5")**
25 pkg. **PL3036 $23.95**
100 pkg. **PL3035 $79.95**



**For 4x5 - (8x10")**
25 pkg. **PL3005 $31.95**
100 pkg. **PL3004 $98.95**

**For 6x17cm Panoramic - (8x10")**
25 pkg. **PL3041 $31.95**
100 pkg. **PL3040 $98.95**

**Photofile Polypro Protective Sleeves for Quik Mounts**
Offers extra protection for your mount and your transparency.
For 4x5" (outer dimension) Quik Mounts
25 pkg. **PL1050 $4.95**
100 pkg. **PL1055 $14.95**



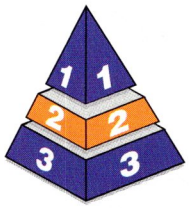

## Kodak Mini Slide Viewer

This small, hand-held, high quality, bright light source is perfect for viewing 35mm slides and film strips. The Mini Slide Viewer measures just 2.8 x 3.8" and is just over ½" thick. Its 5000° K light stage size is 40mm x 26mm (1.6 x 1.04") and is designed to handle 2 x 2" cardboard or thin plastic mounts. It operates on four AAA batteries. **KA1905 $39.95**

## Try Before Buying!

Receive a FREE Photofile Presentation and Storage Sample Pack with your next order from Calumet. Sample pack includes: Storage Page with three Filmfile Cards for 35mm, 6x6 and 6x7; a Filmfile Card for 4x5 and Quik Mounts for 6x6, 6x7 and 4x5. Call today and request item **PL000.**




CALUMET'S PORTFOLIO PYRAMID
(see page 181)



### Filmfile Storage System

The heart of Filmfile's unique archival filing and storage system is the Filmfile Tab Card, a 3¼ x 7⅜" acid-free card stock with an aperture, or window cutout. Your negative or transparency slides safely into a clear Mylar® pocket which is attached to the card over the cutout so that it can be easily viewed. Cards come in a wide choice of professional camera formats.

Filmfile's most unique aspect is each card provides ample space for image data. Assign each image a file number, name, date it was taken, identify the subject and location, log in its usages, custom printing instructions, or any other pertinent facts. For special filing needs, custom printed cards may be ordered. Call for details.

For easy filing and retrieval, Tab Cards may be stored in archival storage boxes or Filmfile Storage Pages – 3 cards per page. These clear, polypropylene 8½ x 11" pages fit into a 3-ring binder, or, with optional hanger bars, stored in a hanging file box or drawer.

### Filmfile 35mm Starter Packs

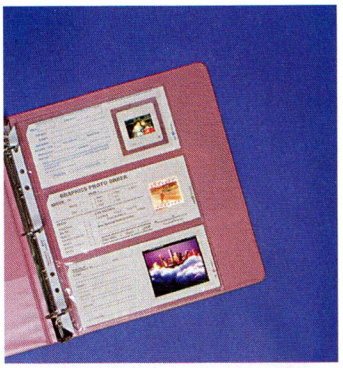
Everything you need to try this convenient 35mm filing system.

**Single frame 35mm Starter Packs**
Contain 3¼ x 7⅜" cards with 35 x 39mm aperture and storage pages.
**PL5110 (10 pgs/30 cards) $8.95**
**PL5150 (50 pgs/150 crds) $41.95**

**4-frame 35mm Starter Packs**
Contains 3¼ x 7⅜" cards with 4 frame (35mm x 15.5cm) aperture and storage pages.
**PL5210 (10 pgs/30 cards) $10.95**
**PL5250 (50 pgs/150 crds) $40.95**

**Archival Storage Boxes**
For Filmfile Cards or 4x5" Quick Mounts **PL6000 $9.95**
For Filmfile 5x8" Cards
**PL6001 $11.95**

**Filmfile Tab Cards**
Card size: 3¼ x 7⅜" w/Mylar® pocket for specified format. 500 per pack.
35mm Single frame (35 x 39mm)
**PL5535 $85.95**
35mm 4-frame strip (35mm x 15.5cm)
**PL5545 $107.95**
6x6cm Single frame (2¼ x 2¼")
**PL5560 $107.95**
6x7cm Single frame (2¼ x 2¾")
**PL5565 $107.95**



### Filmfile Storage Pages

These 8½ x 11" polypropylene pages feature 3 compartments and 7-hole design to fit most 3-ring binders.
Package of 50 Storage Pages
**PL5350 $28.95**
Package of 100 Storage Pages
**PL5400 $52.95**

**Filmfile 5 x 8" Cards**
On buff card stock. Fits PL6001 box, not Filmfile Storage Pages.
4x5" Single Sheet w/frosted back (Package of 500) **PL5720 $179.95**

**Filmfile Film Retriever**
Stainless steel bar grips film for safe insertion or removal from Mylar pocket. **PL5000 $24.95**

### Panodia Proslides

For a strikingly elegant presentation to your very best clients, insist on Proslides. These black presentation boards are designed to view and display transparencies. What makes them so unique is that you can choose to display chromes of all one size, or a number of different formats at once on the same page. Simply choose the Proslide format you like, and then order the specific mount sizes (see below) to match the formats you wish to display. Simplicity, versatility and high quality for the most demanding professionals. Includes a frosted back protective sleeve.

**35mm**
Twelve 2 x 2" openings
(8¼ x 11¼"overall) **PH1110 $8.95**
Twenty 2 x 2" openings
(12 x 15¼" overall) **PH1150 $12.95**

**6x4.5 and 6x6cm**
Six 2¼ x 2¼" openings*
(8¼ x 11¼" overall) **PH1120 $12.95**
Twelve 2¼ x 2¼" openings*
(12 x 15¼" overall) **PH1160 $18.95**
*(*includes 6x6cm mounts)*

**6x4.5, 6x6, 6x7 and 6x9cm**
Two 4 X 5" horz. openings
(8¼ x 11¼" overall) **PH1132 $9.95**

**Four 4x5" openings**
(12 x 15¼" overall) **PH1134 $12.95**

**6x6, 6x7 and 6x9cm and 4x5"**
Four 5x7" openings
(12 x 15¼" overall) **PH1170 $12.95**

**5x7" and 8x10"**
One 9½ x 12" opening
(8¼ x 11¼" overall) **PH1180 $18.95**

### Adhesive Mounts

Black adhesive transparency masks for use in Proslides. 10 per package, except where noted.

**35mm**
O.D. 2 x 2" (100 pkg.)
**PH1250 $15.95**

**6 x 4.5cm**
O.D. 2¾ x 2¾" (100 pkg.)
**PH1260 $37.95**

**6 x 6cm**
2¾ x 2¾" (100 pkg.)
**PH1270 $37.95**
O.D. 4 x 5" **PH1280 $7.95**
O.D. 5 x 7" **PH1310 $11.95**

**6 x 7cm**
O.D. 4 x 5" **PH1290 $7.95**
O.D. 5 x 7" **PH1320 $11.95**

**6 x 9cm**
O.D. 4 x 5" **PH1300 $7.95**

**4x5"**
O.D. 5 x 7" **PH1330 $11.95**

### Non-Adhesive Mounts

A reusable display mount consisting of a heavy black paper sandwich which is pH neutral, and an acetate sleeve with a frosted back.

*(Transparencies must be secured with tape.)*

| | |
|---|---|
| 6x4.5 single (25) | **PH1212 $21.95** |
| 6x6 single (25) | **PH1214 $21.95** |
| 6x7 single (25) | **PH1216 $21.95** |

**8x10"**
4x5 single (10) **PH1224 $23.95**

**8¼x11¾"**
6x4.5-6 (10) **PH1228 $26.95**
6x7-6 (10) **PH1232 $26.95**

## When It Is Time To Make an Absolutely Unforgettable Impression!

Panodia combines beauty, durability and elegance to give your portfolio the special flair and sophistication that today's clients demand. This fine line of compact presentation products offers the flexibility and confidence that you need to make the first impression a positive and lasting one. Show off your work with the very best: Panodia presentation cases and portfolio books.



*Micro Ring-Book and Micro Printibook*

### Ring-Books

These stylish books provide the option of presenting more images. Ring-Books will accommodate up to 30 pages (60 images), while maintaining the compact nature of a book. Includes 15 archival pages which are ideal for digital images and color copies.

**Siera Ring-Book**

This "I can not believe it's not leather" Ring-Book is ideal for your most special presentation.

| Item No. | Size | Price |
|---|---|---|
| PH5060 | 8 x 10" | $49.95 |
| PH5062 | 8.5 x 11" | $56.95 |
| PH5064 | 9.5 x 12.5" | $66.95 |
| PH5066 | 11 x 14" | $74.95 |
| PH5068 | 11 x 17" | $92.95 |

**Micro Ring-Book**

Features black-ribbed cardboard coupled with the silver rings.

| Item No. | Size | Price |
|---|---|---|
| PH5070 | 8 x 10" | $44.95 |
| PH5072 | 8.5 x 11" | $43.95 |
| PH5074 | 9.5 x 12.5" | $46.95 |
| PH5076 | 11 x 14" | $48.95 |
| PH5078 | 11 x 17" | $66.95 |

**Ring-Book Refills (packs of 10)**

| Item No. | Size | Price |
|---|---|---|
| PH5080 | 8 x 10" | $20.95 |
| PH5082 | 8.5 x 11" | $21.95 |
| PH5084 | 9.5 x 12.5" | $23.95 |
| PH5086 | 11 x 14" | $27.95 |
| PH5088 | 11 x 17" | $39.95 |



*Kenya Spiral Ring-Books*

### Kena Spiral Bound Probook

This soft, flexible leather-like cover will add a little touch of elegance to any presentation. The Spiral Book has 20 pages (40 images) and is available in tan or black.

| Item No. | Color | Size | Price |
|---|---|---|---|
| PH2902 | Tan | 5 x 7" | $39.95 |
| PH2900 | Black | 5 x 7" | $39.95 |
| PH2906 | Tan | 8 x 10" | $45.95 |
| PH2904 | Black | 8 x 10" | $45.95 |
| PH2910 | Tan | 8.5 x 11" | $48.95 |
| PH2908 | Black | 8.5 x 11" | $48.95 |
| PH2914 | Tan | 9.5 x 12.5" | $53.95 |
| PH2912 | Black | 9.5 x 12.5" | $53.95 |
| PH2918 | Tan | 11 x 14" | $55.95 |
| PH2916 | Black | 11 x 14" | $55.95 |
| PH2922 | Tan | 11 x 17" | $73.95 |
| PH2920 | Black | 11 x 17" | $73.95 |

### Atlas ProBook

This elegant ProBook has durable, leather-like cover complete with a stitched edge. 20 bound-in pages hold up to 40 prints/sheets.

| Item No. | Size | Price |
|---|---|---|
| PH2810 | 5 x 7" | $31.95 |
| PH2811 | 8 x 10" | $42.95 |
| PH2812 | 8.5 x 11" | $44.95 |
| PH2813 | 9.5 x 12.5" | $47.95 |
| PH2814 | 11 x 14" | $65.95 |

### Basic Probook

Hard-cover presentation album with simulated leather cover. Perfect to leave with a client or mail across town.

| Item No. | Size | Price |
|---|---|---|
| PH1939 | 5 x 7" | $16.95 |
| PH1940 | 8 x 10" | $18.95 |
| PH1941 | 8.5 x 11" | $19.95 |
| PH1942 | 9.5 x 12.5" | $22.95 |
| PH1943 | 11 x 14" | $32.95 |



*Basic Presentation Case*

### Basic Presentation Case

Clean, elegant and affordable. Includes 10 vinyl pages.

| Item No. | Size | Price |
|---|---|---|
| PH1927 | 8.5 x 11" | $59.95 |
| PH1928 | 11 x 14" | $82.95 |

*Please call for additional sizes.*

### Millennium Box

Rugged yet elegant, the Millennium is a flip-top,box without hinges that might tear, break or wear out. A V-cut in the bottom section allows easy access and removal of your work.

| Item No. | Size | Price |
|---|---|---|
| PH2730 | 4 x 5" | $9.95 |
| PH27301 | 5 x 7" | $14.95 |
| PH2731 | 8 x 10" | $16.95 |
| PH2732 | 8.5 x 11" | $18.95 |
| PH2733 | 11 x 14" | $19.95 |
| PH2734 | 12 x 16" | $27.95 |
| PH2735 | 14 x 18" | $29.95 |
| PH2736 | 16 x 20" | $39.95 |



### Gliss Portfolio

This soft sided portfolio is perfect to carry Millennium Boxes, ProBooks, Spiral Books, Ring-Books or Printibooks. A rigid top support and reinforced bottom corners add durable support. The exterior is made of waterproof 1200 Denier material to protect your work from harsh elements.

| Item No. | Size | Price |
|---|---|---|
| PH2720 | 11 x 15 x 2" | $35.95 |
| PH2721 | 14 x 16 x 2" | $39.95 |
| PH2722 | 16 x 18 x 2" | $52.95 |
| PH2723 | 22 x 31 x 2" | $59.95 |

*Atlas Printibook and Probook*



### Printibooks

These compact presentation books give you the freedom to constantly modify your presentation. Using our mini-ring mechanism, Printibooks can present up to 12 pages (24 images), while maintaining a very slim profile. Printibooks come with 10 archival pages and are perfect for presenting digital images and color copies.

**Atlas Printibook**

This first-class Printibook has a durable, leather-like cover complete with a stitched edge.

| Item No. | Size | Price |
|---|---|---|
| PH5000 | 5 x 7" | $41.95 |
| PH5002 | 8 x 10" | $49.95 |
| PH5004 | 8.5 x 11" | $52.95 |
| PH5006 | 9.5 x 12.5" | $57.95 |
| PH5008 | 11 x 14" | $59.95 |
| PH5010 | 11 x 17" | $98.95 |

**Texas Printibook**

Panodia's classic grained faux leather Printibook.

| Item No. | Size | Price |
|---|---|---|
| PH5020 | 5 x 7" | $36.95 |
| PH5022 | 8 x 10" | $42.95 |
| PH5024 | 8.5 x 11" | $45.95 |
| PH5026 | 9.5 x 12.5" | $49.95 |
| PH5028 | 11 x 14" | $52.95 |
| PH5030 | 11 x 17" | $69.95 |

**Micro Printibook**

This simple, black ribbed cover is sure to dress up any presentation.

| Item No. | Size | Price |
|---|---|---|
| PH5040 | 5 x 7" | $29.95 |
| PH5042 | 8 x 10" | $35.95 |
| PH5044 | 8.5 x 11" | $38.95 |
| PH5046 | 9.5 x 12.5" | $42.95 |
| PH5048 | 11 x 14" | $43.95 |
| PH5050 | 11 x 17" | $59.95 |

**Printibook Refills**

| Item No. | Size | Price |
|---|---|---|
| PH3100 | 5 x 7" | $16.95 |
| PH3102 | 8 x 10" | $17.95 |
| PH3104 | 8.5 x 11" | $19.95 |
| PH3106 | 9.5 x 12.5" | $20.95 |
| PH3108 | 11 x 14" | $23.95 |
| PH3110 | 11 x 17" | $31.95 |

# Portfolios and Shipping Cases



## Light Impressions Portfolio Boxes

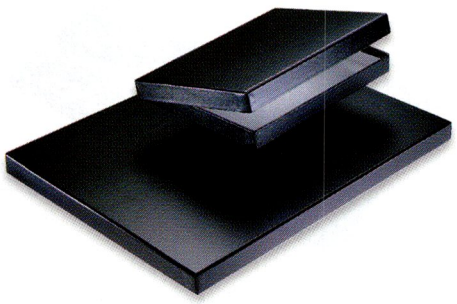
This classic clamshell design is archival and provides easy access to matted prints. Constructed of durable, library-quality, black fabric cover, heavyweight binder's board, acid- and lignin-free paper lining and reinforced hinge for years of repeated use. Portfolio Boxes are 2" deep, and will hold up to 15 4-ply overmatted/4-ply backed prints.

**Black**

| | | |
|---|---|---|
| 8 x 10 (8½ x 10½" I.D.) | LJ5000 | $19.95 |
| 11 x 14 (11¼ x 14¼" I.D.) | LJ5010 | $22.95 |
| 14 x 18 (14¼ x 18¼" I.D.) | LJ5020 | $37.95 |
| 16 x 20 (16¼ x 20¼" I.D.) | LJ5030 | $52.95 |

**Burgundy**

| | | |
|---|---|---|
| 11 x 14 (11¼ x 14¼" I.D.) | LJ5100 | $23.95 |
| 16 x 20 (16¼ x 20¼" I.D.) | LJ5105 | $56.95 |



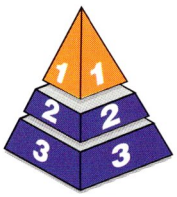
## Light Impressions Thinline Portfolio Boxes

This sleek and elegant version of the classic clamshell is strong, versatile and archival. Heavyweight binder board is covered with library-quality buckram fabric and lined with acid free paper. Thinline is 1⅜" deep and holds up to 10 4-ply window matted prints.

11 x 14 (11¼ x 14¼" I.D.) **LJ5150 $22.95**

16 x 20 (16¼ x 20¼" I.D.) **LJ5152 $52.95**

20 x 24(20¼ x 24¼" I.D.) **LJ5154 $76.95**




CALUMET'S PORTFOLIO PYRAMID
(see page 181)



## Tenba Portfolio Cases

Cases that offer striking good looks and extra protection. Feature black Protek nylon construction, waterproof/shockproof foam on sides and bottom, leather handle, detachable shoulder strap and ID holder. Holds boards or a 2" Light Impressions portfolio box.

8" x 10" **TE2040 $69.95**

11" x 14" **TE2050 $93.95**

16" x 20" **TE2060 $131.95**



## Fiberbilt Print Shipping Cases

Rugged, durable shipping cases for sending off everything, from your everyday work prints to your most prized portfolio. Heavy-gauge steel corners, extra-strong straps, ridged outer shell and steel label holder make this shipping case the choice of professionals everywhere!

| | 1" Depth | | 2" Depth | |
|---|---|---|---|---|
| **Print Size** | **Cat. No.** | **Price** | **Cat. No.** | **Price** |
| 11 x 14 | FB3210 | $61.95 | FB3335 | $64.95 |
| 14 x 17 | — | — | FB3340 | $67.95 |
| 16 x 20 | FB3212 | $69.95 | FB3345 | $79.95 |
| 20 x 24 | FB3320 | $84.95 | FB3350 | $89.95 |
| 24 x 30 | — | — | FB3355 | $109.95 |

| | 3" Depth | | 4" Depth | |
|---|---|---|---|---|
| Print Size | Cat. No. | Price | Cat. No. | Price |
| 11 x 14 | FB3365 | $67.95 | FB3395 | $69.95 |
| 14 x 17 | FB3370 | $76.95 | FB3400 | $71.95 |
| 16 x 20 | FB3375 | $82.95 | FB3405 | $84.95 |
| 20 x 24 | FB3380 | $96.95 | FB3410 | $97.95 |
| 24 x 30 | FB3385 | $110.95 | FB3415 | $112.95 |



## Graf/X Presentation Cases

Functionality and style combine for an unbeatable presentation! Graf/X cases, a Calumet exclusive, are constructed of solid Baltic birch wood to ensure rigid yet extremely lightweight structural support and protection for your precious work. Attractive, lightly textured matte black exterior is made of a scuff and stain resistant fabric which allows for easy cleaning. Unique features include double handles for balanced weight distribution, twin-latch locking system for sure closure, and strong polypropylene capped corners for durability. Includes a handy interior pocket and a convenient pull-ribbon for easy access to your artwork.

**Graf/X Presentation Cases – 2 3/16" Deep**

| | | |
|---|---|---|
| 11½ x 14½" I.D. | GH11142 | $63.95 |
| 14½ x 18½" I.D. | GH14182 | $72.95 |
| 16½ x 20½" I.D. | GH16202 | $78.95 |
| 20½ x 26½" I.D. | GH20262 | $95.95 |

**Graf/X Presentation Cases – 3⅛" Deep**

| | | |
|---|---|---|
| 11½ x 14½" | GH11143 | $71.95 |
| 14½ x 18½" | GH14183 | $81.95 |
| 16½ x 20½" | GH16203 | $88.95 |
| 20½ x 26½" | GH20263 | $106.95 |

## Collecteur Presentation Cases

When its time to run with the pros, insist on the new Collecteur custom presentation cases. The same elegant Euro-styling and solid birch construction as our Graf/X cases, yet with new features that include a handsome gray plush-lined interior for added protection of your work. The 2 3/16 deep models include a useful shoulder strap for easy transport to your next client appointment. Beauty and strength to enhance all your portfolios.

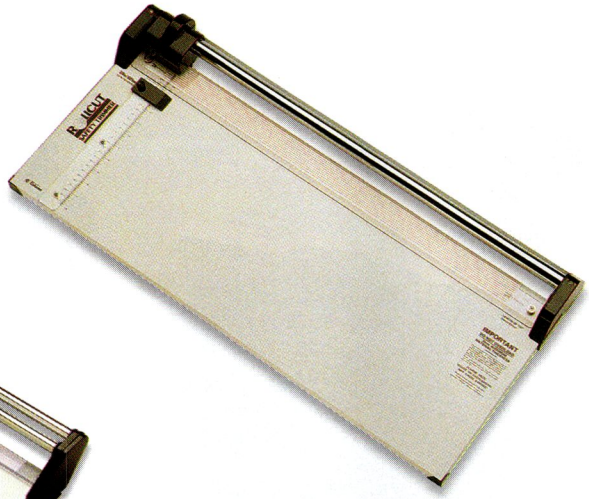
**Collecteur Presentation Cases - 2 3/16 Deep**

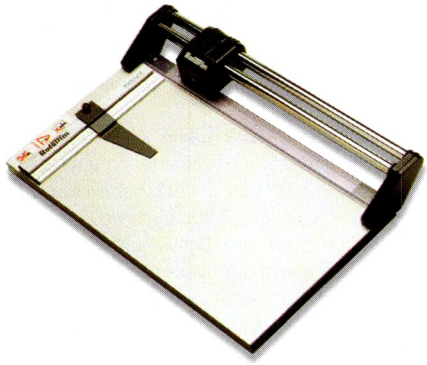
| | | |
|---|---|---|
| 11½ x 14½ | GH11145 | $73.95 |
| 14½ x 18½ | GH14185 | $92.95 |
| 16½ x 20½ | GH16205 | $99.95 |
| 17½ x 22½ | GH17225 | $104.95 |
| 20½ x 26½ | GH20265 | $118.95 |
| 23½ x 32½ | GH23325 | $141.95 |

**Collecteur Presentation Cases - 3⅛ Deep**

| | | |
|---|---|---|
| 11½ x 14½ | GH11146 | $76.95 |
| 14½ x 18½ | GH14186 | $95.95 |
| 16½ x 20½ | GH16206 | $102.95 |
| 17½ x 22½ | GH17226 | $106.95 |
| 20½ x 26½ | GH20266 | $121.95 |
| 23½ x 32½ | GH23326 | $144.95 |

# Trimmers & Mat Cutters








## Rotatrim MasterCut II

Features a safe, enclosed cutting wheel mounted on nylon bearings, self-sharpening tungsten-steel rotary cutting blade, a double-rail carriage track and clear plastic clamp bar.

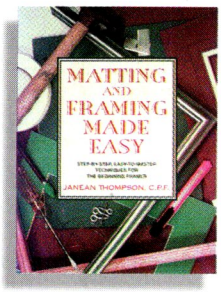
| | | |
|---|---|---|
| 12" (17½" x 15") | S08912 | $169.95 |
| 15" (21½" x 15") | S08915 | $189.95 |
| 17½" (24" x 15") | S08917 | $199.95 |
| 24" (30½" x 15") | S08924 | $249.95 |
| 30" (36½" x 15") | S08930 | $319.95 |
| 36" (42½" x 15") | S08936 | $389.95 |
| 42" (48½" x 15") | S08942 | $449.95 |
| 54" (60½" x 15") | S08954 | $519.95 |

## Calumet Rollcut Safety Trimmers

All of the time, money, and sheer hard work you put into producing your finished prints - processing, toning, washing, spotting, etc. - will be completely wasted if you don't have a high quality print trimmer to give you a good, clean, straight cut exactly where you need it. These finely crafted Rollcut Safety Trimmers will provide years of service, day-in and day-out, whether you're cutting film, prints, dry mount tissue, or digital images.

- **Calibrated alignment guide**
  For precise 90° cuts, with easy-to-read inch/metric reference scale.
- **Clear plastic clamping strip**
  Holds work securely for even the finest cuts, and keylined for precise alignment.
- **Super-sharp cutting wheel**
  A high quality, carbon steel wheel, enclosed safely in a comfortable handle, produces true, clean cuts effortlessly.
- **Removable cutting tray**
  Keep work area neat and clean up quick. (Adds 2½" to trimmer's short dimension.)

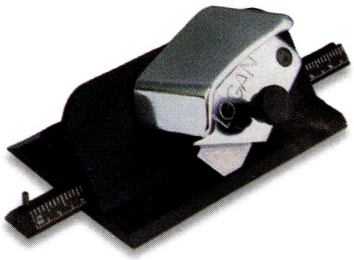
| | | |
|---|---|---|
| 12" (19¾" x 15") | CR1012 | $149.95 |
| 18" (25" x 15") | CR1018 | $169.95 |
| 24" (31¾" x 15") | CR1024 | $199.95 |
| 36" (42¾" x 15") | CR1036 | $269.95 |
| 48" (56½" x 15") | CR1048 | $359.95 |
| 60" (6¼" x 15") | CR1060 | $399.95 |




## Matting and Framing Made Easy

*Janean Thompson*

Clear, straightforward color photographs and step-by-step instructions guide even the novice through introductory and advanced techniques including accurate measuring; various mounting techniques including wet, dry and conservation; mat cutting by hand and tabletop cutters; single and multiple window matting; glazing with various glasses and plexiglas; framing with metal and wood frames; and hanging your artwork including single, multiple and heavy works, as well as exhibition tips. 144 pp., 258 color illus., 8¼ x 11", SB.
**IP3474 $24.95**



## Logan Model 4000 Mat Cutter

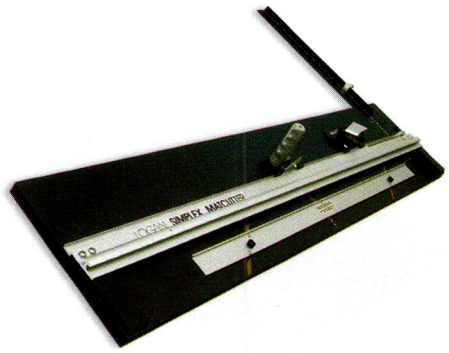
This "pull-type" mat cutter features a convenient mat marking system, start and stop indicator, a retractable blade holder and adjustable blade depth. Cuts a 45° bevel. **BR0430 $39.95**



## Dexter Mat Cutter

Window overmats give your work that professional, finished look; offers separation (and protection) from framing glass and guards against scratches. There isn't a more economical or practical tool for making straight, beveled edges than the classic Dexter Mat Cutter. This handy tool makes straight or 45° beveled cuts and allows you to adjust blade angle and depth. Includes 5 blades.
**KT0300 $24.95**

Replacement blades (3 pkg.) **KT0301 $2.95**



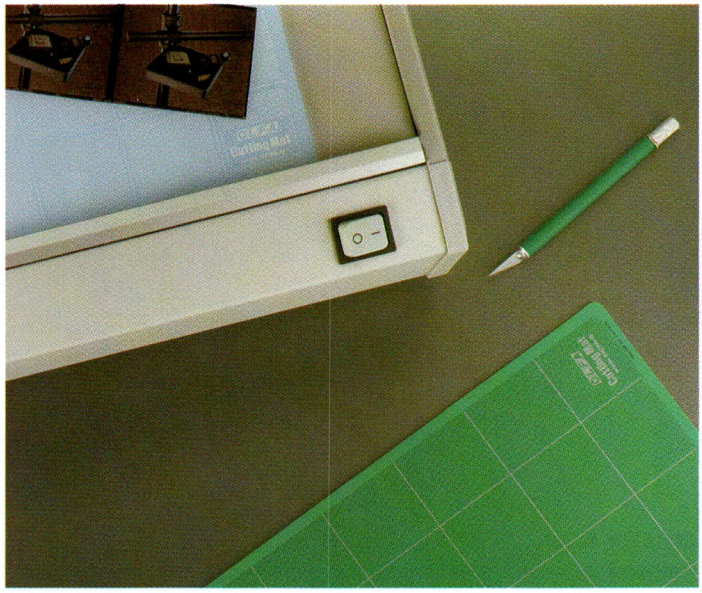

## Logan Simplex + 40" Mat Cutter

Cut double mats, inlays, v-grooves, multiple openings or any of the fancy mats cut by professional framers. Measuring scales and separate straight cutting attachment allow you to cut mat board, backing board or foam core up to 40" x 40" perfectly square. Start line prevents overcuts. Cuts full 45° bevels and includes straight cutting head and mat guide. **BR07015 $304.95**

### Logan Graphic 32"

Compact Mat Cutter **BR0702 $87.95**

Replacement Blades **BR0705 $16.95**



### Self-Healing Cutting Mats

The best cutting surface available! Protect your desk and work table surfaces while achieving finer, more accurate cuts on paper, tissues, mat boards, film, sleeves, etc. Helps maintain blade sharpness and "self-heals" to last for years. Available in opaque green and translucent (for use on light boxes).

**Translucent**

12 x 18" **BR1830 $29.95**

**Opaque Green**

12 x 18" **BR1832 $21.95**

18 x 24" **BR1834 $42.95**

24 x 36" **BR1836 $79.95**

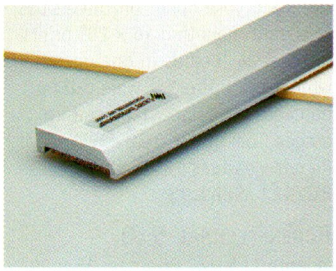


### Dahle Super Shears

These top of the line shears are the finest professional shears available! The self-sharpening steel blades provide precise, smooth, clean cuts – even at the points for fine trimming. Keep a pair in your camera bag, studio, darkroom, office and junk drawer!

4" Super Shears **DH7774 $15.95**

6" Super Shears **DH7776 $17.95**



### Metal Straight Edge

Use this ridged aluminum straight edge with the Dexter or Logan mat cutters to get clean, accurate cuts. It features a non-slip cork base, and it's thick enough so that mat cutters will track properly without riding up over the edge.

24" **LJ2070 $31.95**

36" **LJ2072 $42.95**

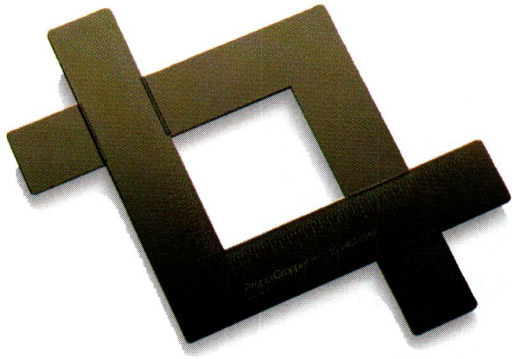
48" **LJ2074 $56.95**



### Easy-Glide Scissors

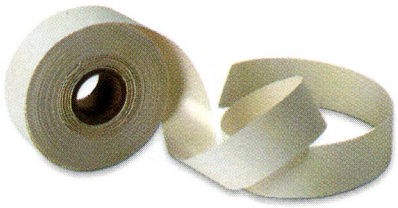
Never before have we seen such perfect scissors for the photographer! The sharp, hollow ground angled blades are made of tempered stainless steel, and come in "darkroom black" with a non-stick surface that is easily cleaned and rust resistant. The Easy-Glide coating makes these scissors cut incredibly smoothly through paper, fabric, dry mount tissue, and everything else commonly found in the darkroom, studio and office. Simply excellent!

**AA0105 $18.95**



### Calumet Magnetic Cropper

These marvelous "L-shaped" cropping devices work essentially on the same principle as those "homemade" cardboard or construction paper contraptions photographers have been using for years . . . except the Calumet Magnetic Cropper is made of a durable metal/plastic laminate and feature alternating magnetic strips spaced ⅛" apart. This allows you to set a predetermined height or width, and smoothly slide the cropper into the desired secondary position in a straight vertical or horizontal movement — always maintaining a right angle! Calibrated outside edges offer quick and easy size reference. Cropper comes in a set of two L-shaped edges and will handle images up to 6x6". **MG1100 $29.95**



### Acid-Free Linen Tape from Light Impressions

This Cambric-quality linen tape makes durable cloth hinges for window mats. pH-Neutral water-base adhesive contains no starch fillers so it won't flake or get brittle.

| | | |
|---|---|---|
| 1" x 20 yds. | LJ1020 | $7.95 |
| 1" x 50 yds. | LJ1050 | $10.95 |
| 1" x 150 yds. | LJ1150 | $23.95 |
| 1½" x 50 yds. | LJ2050 | $14.95 |



### White Cotton Gloves

Protect materials while mounting.

12 pairs. **LX1000 $6.95**

### Light Impressions Clearhold Corners

A crystal clear, attractive and archivally safe self-adhesive photo corner for mounting prints in mats, albums, etc. Made of high-quality polyester with archivally safe adhesive that never comes into contact with the photograph. Easy to use pre-formed corners come in a roll dispenser box. 200 per package.

**Small corners**

⅝" for prints up to 8 x 10"

**LJ3010 $5.95**

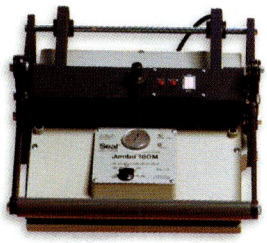
**Large Corners**

⅞" for prints up to 16 x 20"

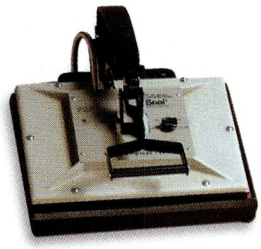
**LJ3015 $12.95**



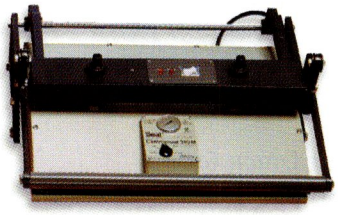
# Dry Mounting Presses & Supplies



### Seal Jumbo 160M
Affordable intermediate-size press with 18½ x 15½" platen. Handles work in sections up to 36" wide by any length. U.L. Listed. **SA8816 $829.95**



### Seal Swing Arm 110S
Modestly priced "starter press" with a 12 x 15" platen which swings out of the way for access to work area. Mounts work sectionally up to 24" by any length. U.L. Listed. **SA8811 $519.95**



### Seal Masterpiece 500T-X
In addition to features of the 500T, the 500T-X also includes the ZVS controller for precise temperature control and extended thermostat life. U.L. Listed. Shipping Weight: 300 lbs. **SA8855 $2359.00**

### Seal Commercial 210M
Good general purpose press for daily usage. Features an 18½ x 23" platen which handles work in sections up to 36" wide by any length. U.L. Listed. **SA8821 $1059.95**

### Seal Commercial 210M-X
Has all of the features of the 210M, plus the ZVS controller for ultimate temperature control and longer thermostat life. U.L. Listed. **SA8825 $1179.00**

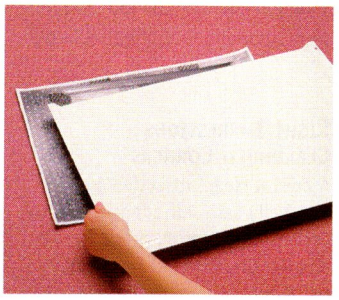


A

Next Day Delivery!



### Sealecter II Tacking Iron
A must for professional, precision mounting. Tacks artwork into position so it won't shift in the press. Equipped with thermostatic control and Teflon coated shoe. 115 volts. UL Listed. **SA8900 $64.95**



### Dry Mounting Flat Plate
A *must* for everyone using dry mount presses and materials! It is extremely important to let your prints flatten and cool down properly after dry mounting. This 17 x 21" heavyweight, white enamel-finished flat plate is just the tool. It is constructed of perfectly smooth 14-gauge steel, and has raised corners for ease of use. **LJ2060 $32.95**

### Ⓐ Bogen Technal 560
Features a sliding bed for easier positioning of your materials. Its oversized yoke opens on three sides to permit mounting 16 x 20" prints on 20 x 24" boards in one operation, while work up to 36" wide can be handled in sections. Temperature ranges from 180° to 325°F. Platen measures 18½ x 22½". **BG7121 $661.95**

### Bogen Technal 510
Mounts 11 x 14" prints on 16 x 20" board in one operation. Open on three sides with 12 x 15" heating platen, provides thermostatically controlled temperatures from 180° to 325°F. **BG7110 $519.95**



### Seal's How-To Video Tape
Dry mounting with the Seal Commercial 210 and Masterpiece 500 presses is covered in this informative and easy-to-follow video. **SA8860 $19.95**

### Seal Platen Cleaner
A paste compound that removes adhesive residue from dry mount press platens. 2 fl. oz. jar. **SA8950 $31.95**

### Seal UnSeal™
A special releasing solvent used to remove artwork from various mounting adhesives. It can also be used to clean adhesive residue off artwork or press partsl. Follow precautions on label. 32 fl. oz. can. **SA9410 $14.95**

TECHNICAL ASSISTANCE
Toll-Free 1-888-888-9083

## Tips.

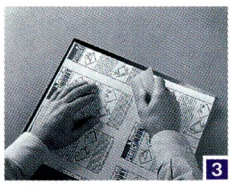
If you want to avoid the line of dry mount tissue that sometimes surrounds a mounted print, always "preshrink" your finished print first. With fiber based prints, a small amount of moisture stays in the print until heat is applied. To preshrink your print, first set your dry mount press to 185°, and use two pieces of clean 4-ply archival mounting board (one for the top and one for the bottom) in your press. Place the print between them and close the press for 30 seconds, remove the print from between the two pieces of board and put the warm print immediately under a flat plate (see above) for about 5 minutes. Not only will you never see the line of dry mount tissue again, your fiber prints will now remain flat when you're storing them.

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck. Freight Collect.*










## Professional Matting & Mounting

Many professional photographers "float" their images in the center of a single sheet of mounting board using a variety of different mounting techniques including spray adhesives, dry mounting, and self-adhesive mount boards.

**What method is best for you?**

1) **Dry Mounting:** A standard method for mounting images with tissues individually suited for archival mounting, color mounting, and removable mounting. (Note: not recommended for digital images where heat is an issue.)

2) **Photo Corners:** Use with images you would not like to have permanently mounted to a backing board, or with images susceptible to heat or adhesive transfer. Recommended for all types of photos including silver-based prints and digital images. (Note: images may not stay flat.)

3) **Spray Mounting:** Use with presentation prints and other images where ease of use outweighs archival/removable considerations.

4) **Self-Adhesive Mount Boards & Film Sheets:** Perfect for quickly positioning and mounting photographic images for presentation.

## Crescent Self Adhesives

No more messy adhesive sprays or noxious odors! Mount your artwork quickly, safely and painlessly with Crescent's acid-free self-adhesive Perfect Mount Boards and Adhesive Film Sheets! Special pressure-sensitive adhesive lets you reposition virtually any photo before burnishing it for a permanent bond.

## Perfect Mount Boards

### How Crescent Perfect Mount Boards Work

1. Simply peel the release paper off of the buffered, three-ply mount board,
2. place your artwork on the board, reposition as necessary and
3. burnish it down to smooth wrinkles or bubbles. That's it!

### Perfect Mount Board

| | | | |
|---|---|---|---|
| 8x10 | 5 Pack | CT5005 | $4.95 |
| 8x10 | 25 Pack | CT5025 | $27.95 |
| 8½x11 | 5 Pack | CT5105 | $6.95 |
| 8½x11 | 25 Pack | CT5125 | $28.95 |
| 11x14 | 5 Pack | CT5205 | $10.95 |
| 11x14 | 25 Pack | CT5225 | $44.95 |
| 16x20 | 5 Pack | CT5305 | $17.95 |
| 20x24 | 5 Pack | CT5405 | $34.95 |

## Adhesive Film Sheets

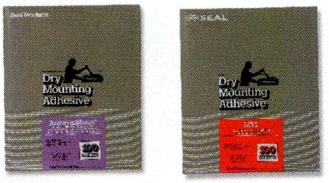
Unlike double-stick tape which features a water-based adhesive, Perfect Mount Adhesive is acrylic-based so it won't dry out or lose its tack. Plus, it's acid-free and has a tame pH of 8.2 (±0.5).

### How Crescent Adhesive Film Sheets Work

Place artwork face-down on a flat surface, pull the release paper off the adhesive sheet and burnish the adhesive onto the back of the artwork. Remove second release sheet and cover the surface of your artwork with it (for protection). Burnish the art onto the mount board of your choice. Mount it on an oversized board for a matted presentation.

### Adhesive Film Sheets

| | | | |
|---|---|---|---|
| 8x10 | 5 Pack | CT6005 | $5.95 |
| 8x10 | 25 Pack | CT6025 | $26.95 |
| 11x14 | 5 Pack | CT6205 | $14.95 |
| 11x14 | 25 Pack | CT6225 | $69.95 |
| 16x20 | 5 Pack | CT6305 | $22.95 |
| 20x24 | 5 Pack | CT6405 | $44.95 |




A B

## Seal Dry Mount Tissues

### Ⓐ ArchivalMount Dry Mount Tissue

Acid-free archival dry mount tissue with low-temp acid-free adhesive. Best used with archival substrates. (100 sheet pkg.)

| | | |
|---|---|---|
| 8 x 10" | SA1011 | $29.95 |
| 11 x 14" | SA1012 | $56.95 |
| 16 x 20" | SA1013 | $110.95 |

### Ⓑ MT-5 Dry Mount Tissue

For fiber-based paper. This glassine tissue bonds permanently at 185°. (100 sheet pkg.*)

| | | |
|---|---|---|
| 8 x 10" | SA1051 | $19.95 |
| 11 x 14" | SA1052 | $39.95 |
| 16 x 20" | SA1053 | $75.95 |

** Also available in 25 sheet packages.*

### ColorMount Dry Mount Tissue

Low-temp adhesive to permanently bond color or b&w RC papers. (100 sheet pkg.*)

| | | |
|---|---|---|
| 8 x 10" | SA1031 | $22.95 |
| 11 x 14" | SA1032 | $42.95 |
| 16 x 20" | SA1033 | $87.95 |

** Also available in 25 sheet packages.*

### Fusion 4000 Adhesive

All-purpose acid-free adhesive film melts at 160°, bonding as it cools, so it's removable while heated. (100 sheet pkg.)

| | | |
|---|---|---|
| 8 x 10" | SA8770 | $25.95 |
| 11 x 14" | SA8771 | $47.95 |
| 16 x 20" | SA8773 | $94.95 |




## Seal Release Paper

Silicone treated paper essential to protecting your platen and work.
26" x 5 yds. **SA8790 $33.95**
26" x 20 yds. **SA8791 $64.95**



E

## Ⓔ Acid-Free Linen Tape from Light Impressions

This Cambric-quality linen tape makes durable cloth hinges for window mats. pH-Neutral water-base adhesive contains no starch fillers so it won't flake or get brittle.

| | | |
|---|---|---|
| 1" x 20 yds. | LJ1020 | $7.95 |
| 1" x 50 yds. | LJ1050 | $10.95 |
| 1" x 150 yds. | LJ1150 | $23.95 |
| 1½" x 50 yds. | LJ2050 | $14.95 |

## White Cotton Gloves

Protect materials while mounting. 12 pairs. **LX1000 $6.95**




## Light Impression ClearHold Corners

A crystal clear, attractive and archivally safe self-adhesive photo corner for mounting prints in mats, albums, etc. Made of high-quality polyester with archivally safe adhesive that never comes into contact with the photograph. Easy to use pre-formed corners come in a roll dispenser box. 200 per package.

### Small corners

⅝" for prints up to 8 x 10"
**LJ3010 $5.95**

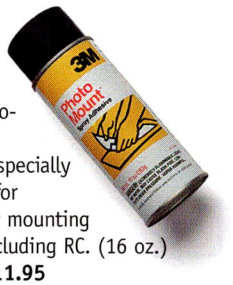
### Large Corners

⅞" for prints up to 16 x 20"
**LJ3015 $12.95**

## Panodia Mini Mounting Corners

Classic mini photo corners – but these are clear and self-adhesive! Great for small prints. Packages of 200. **PH2010 $2.95**

## Spray Adhesive




Scotch Photo-Mount spray adhesive is specially formulated for permanently mounting photos – including RC. (16 oz.) **BR1155 $11.95**



Exclusive Calumet

# COLORS by Savage!

## Calumet Background Paper

Calumet's Background Paper has a high quality, fine tooth non-reflecting surface that enhances your photography. Just add a background stand, and these rolls instantly become sweeps.

**Exclusive Color Selection**
Choose from over 40 different exclusive colors, including the finest available photographic black and white, all hand-picked for Calumet's exclusive distribution.

**Packaged for your Satisfaction**
We make an extra effort to make sure your background paper arrives safely. Each 107" and 140" wide background paper listed on this page is wound on a tough, rigid core for extra support. Calumet Background Paper is wrapped in a plastic sleeve to trap out moisture and dirt, then packed in a sturdy tube or carton for maximum protection during shipping. Note: 53" and 107" wide rolls are U.P.S. shippable.

**Flame Resistant vs. Non-Flame Resistant**
107" x 12 yard rolls of Black and Super White are available in flame resistant and non-flame resistant versions. The flame resistant version is chemically treated, according to standard testing, making it resistant to fire. This does not mean that it will not burn in normal fire situations. However, if your job requires flame resistant materials to adhere to specific building codes, these are a great solution.




*Recommended for b&w photography only.

| Color | 53" x 12 yds. $22.95 | 107" x 12 yds. $39.95 |
|---|---|---|
| Red Rock | SG0055 | SG1157 |
| Redwood | SG0032 | SG1107 |
| Deep Red | SG0072 | SG1072 |
| Red | SG0074 | SG1074 |
| Orchid | SG0030 | SG1129 |
| Tulip | SG0070 | SG1137 |
| Pink | SG0014 | SG1103 |
| Orange | SG0029 | SG1124 |
| Black | SG0008 | SG1120 |
| Thunder Gray | SG0094 | SG1094 |
| Oxford Gray | SG0042 | SG1127 |
| Dove Gray | SG0096 | SG1096 |
| Pursuit Gray | SG0098 | SG1098 |
| Slate Gray | SG0026 | SG1126 |
| Neutral Gray | SG0100 | SG1100 |
| Studio Gray | SG0039 | SG1112 |
| Light Gray | SG0025 | SG1132 |
| Pongee | SG0007 | SG1125 |
| Natural | SG0084 | SG1084 |
| New Wheat | SG0067 | SG1121 |
| Super White* | SG0041 | SG1101 |
| Deep Green | SG0018 | SG1118 |
| Mint | SG0022 | SG1135 |
| Green | SG0076 | SG1076 |
| Light Green | SG0046 | SG1146 |
| Brown | SG0013 | SG1116 |
| Stone | SG0051 | SG1153 |
| Autumn | SG0002 | SG1141 |
| Purple | SG0062 | SG1062 |
| Ivory | SG0063 | SG1063 |
| Ruby | SG0061 | SG1061 |
| Teal | SG0068 | SG1068 |
| Platinum Gray | SG0069 | SG1069 |
| Storm Gray | SG0064 | SG1064 |
| Green Tone | SG0073 | SG1073 |
| Smoke Gray | SG0077 | SG1077 |
| True Blue | SG0075 | SG1075 |

| Color | 53" x 12 yds. $22.95 | 107" x 12 yds. $39.95 |
|---|---|---|
| Yellow | SG0080 | SG1080 |
| Deep Yellow | SG0009 | SG1138 |
| Yellow-Orange | SG0005 | SG1113 |
| Sand | SG0035 | SG1104 |
| Creme | SG0049 | SG1151 |
| Deep Blue | SG0065 | SG1105 |
| Gulf Blue | SG0021 | SG1130 |
| Regal Blue | SG0086 | SG1086 |
| Studio Blue | SG0058 | SG1158 |
| Blue Jay | SG0000 | SG1131 |
| Misti Blue | SG0090 | SG1090 |
| Lite Blue | SG0092 | SG1092 |
| Sky Blue | SG0037 | SG1102 |
| Baby Blue | SG0047 | SG1147 |

| Color | 53" x 12 yds. $21.95 | 107" x 12 yds. $36.95 |
|---|---|---|
| White | SG0016 | SG1150 |

| Color | 107" x 12 yds. $39.95 |
|---|---|
| Black Flame Resistant | SG1161 |
| Super White* Flame Resistant | SG1162 |

| Color | 140" x 100' $164.95 |
|---|---|
| Black | SG0514 |
| TV Gray | SG0516 |
| Blue Jay | SG0518 |

| Color | $139.95 |
|---|---|
| Super White* | SG0500 |




### Calumet Background Paper Swatchbook

This handy swatchbook is an essential reference guide for any studio. Contains samples of each Calumet Background Paper, from Autumn Brown to Teal.
**ZZSG005 $4.95**



### Olo Rolling Scissors

Perfect for cutting background paper, film, acetate, art paper, wrapping paper, etc. Simply hold the paper, grip Olos – same grip for lefties and righties – and roll. A built-in glide assures accurate cuts at any length while safety grip protects you from paper cuts. Olo is a precision instrument designed for extended cutting life, and guaranteed for 90-days. **AA0100 $15.95**
**3 or more $13.95**

*Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect, within 24 hours of ordering and are not subject to our in-stock guarantee.*

# Calumet Background Paper


Red Rock

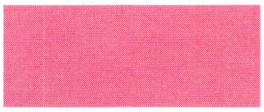

Redwood

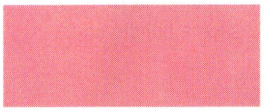

Deep Red

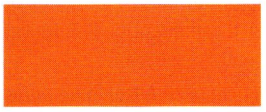

Red

**Note:**
While every effort was made to ensure accurate color reproduction of the products shown here, some variances may exist.


Orchid


Tulip


Pink


Orange


Black


Thunder Gray


Oxford Gray


Dove Gray


Pursuit Gray


Slate


Neutral Gray

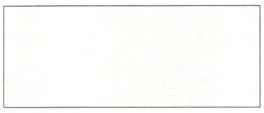

Studio Gray


Light Gray


Pongee


Natural


New Wheat


White


Super White


Deep Green


Mint


Green

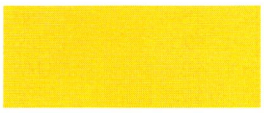

Light Green


Brown


Stone


Autumn


Yellow


Deep Yellow


Yellow-Orange


Sand


Creme


Deep Blue


Gulf Blue


Regal Blue


Studio Blue


Blue Jay


Misti Blue


Lite Blue


Sky Blue


Baby Blue


True Blue


Purple


Ivory


Ruby


Teal


Platinum Gray


Storm Gray


Green Tone


Smoke Gray

Exclusive Calumet

## Buy More, Save More!

With our exclusive lamp and bulb savings, there's never been a better time to stock up. Save 10% when you buy three, four or five bulbs. Or buy six or more and save 20% — mix or match. Thanks to these quantity discounts, you'll save a bundle and always be ready with a back-up bulb!

***Please note: Quantity pricing applicable to letter code bulbs only.***

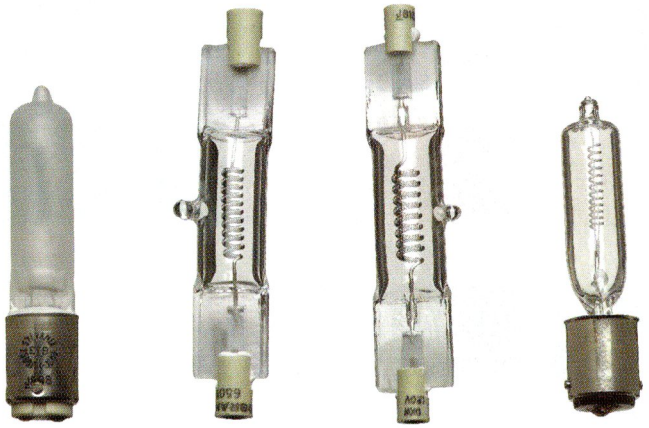






## Transparency Viewer Tubes

| Code | Description | Item | Each | 3+ | 6+ |
|---|---|---|---|---|---|
| BBA | 250W 120V Photoflood 3400K | WIBBA | $3.95 | $3.55 | $3.16 |
| BCA | 250W 120V Photoflood 4800K | WIBCA | $3.95 | $3.55 | $3.16 |
| BEC | 150W 120V | WIBEC | $21.95 | $19.75 | $17.56 |
| BRL | BCD 50W 12V 3300K | WIBRL | $6.95 | $6.25 | $5.56 |
| CYX | 2000W 120V 3200K | WICYX | $64.95 | $58.45 | $57.95 |
| DDL | 150W 20V 3200K | WIDDL | $14.49 | $13.04 | $11.59 |
| DEK | 500W 120V 3200K | WIDEK | $22.49 | $20.24 | $17.99 |
| DNF | 150W 21.5V 3400K | WIDNF | $19.95 | $17.99 | $15.96 |
| DWC | 150W 120V 2800K for MP4 | WIDWC | $6.95 | $6.25 | $5.56 |
| DXW | 1000W 120V 3200K | WIDXW | $28.95 | $26.05 | $23.16 |
| DYH | 600W 120V 3200K | WIDYH | $19.95 | $17.99 | $15.96 |
| DYS | DYV BHC 600W 120V 3200K | WIDYS | $12.95 | $11.65 | $10.36 |
| EAJ | 35W 12V for Studio Master | WIEAJ | $14.95 | $13.45 | $11.96 |
| EBW | 500W 120V 4800K Photoflood | WIEBW | $4.95 | $4.45 | $3.96 |
| ECA | 250W 120V 3200K | WIECA | $3.95 | $3.55 | $3.16 |
| ECT | 500W 120V 3200K Photoflood | WIECT | $4.49 | $4.04 | $3.59 |
| ECV | 1000W 120V 3200K | WIECV | $17.95 | $16.15 | $14.36 |
| EFP | 100W 12V 3350K | WIEFP | $21.95 | $19.75 | $17.56 |
| EGR | 750W 120V 3200K | WIEGR | $53.95 | $48.55 | $43.16 |
| EGT | 1000W 120V 3200K | WIEGT | $41.95 | $37.75 | $33.56 |
| EHC | 500W 120V 3150K | WIEHC | $35.95 | $32.25 | $28.76 |
| EHD | 500W 120V 3000K | WIEHD | $33.49 | $30.14 | $26.79 |
| EHF | 750W 120V 3200K | WIEHF | $39.95 | $35.95 | $31.96 |
| EHJ | 250W 24V 3400K | WIEHJ | $15.95 | $14.35 | $12.76 |
| EHT | 250W 120V 3000K | WIEHT | $19.95 | $17.99 | $15.96 |
| EHZ | 300W 120V 3000K Frosted | WIEHZ | $8.49 | $7.64 | $6.79 |
| EJG | 750W 120V 3200K | WIEJG | $29.95 | $26.95 | $23.96 |
| EJL | 200W 24V 3400K | WIEJL | $15.95 | $14.35 | $12.76 |
| EKB | 420W 120V 3200K | WIEKB | $19.95 | $17.99 | $15.96 |
| EKD | 650W 120V 3400K | WIEKD | $21.95 | $19.75 | $17.56 |
| ELB | 80W 30V 3400K | WIELB | $21.49 | $19.34 | $17.19 |
| ELC | 250W 24V 3400K | WIELC | $22.49 | $20.24 | $17.99 |
| ELH | 300W 120V 3350K | WIELH | $15.95 | $14.35 | $12.76 |
| EMD | 750W 120V 3200K Frosted | WIEMD | $18.95 | $17.05 | $15.16 |
| ENH | 250W 120V 3250K | WIENH | $24.95 | $22.45 | $19.96 |
| ENX | 360W 82V 3300K | WIENX | $19.95 | $17.99 | $15.96 |
| ESJ | 85W 82V 3350K | WIESJ | $27.95 | $25.15 | $22.36 |
| ESM | 250W 120V 3000K | WIESM | $15.95 | $14.35 | $12.76 |
| ESP | 150W 120V 3000K | WIESP | $16.95 | $15.25 | $13.56 |
| ESR | 100W 120V 3000K | WIESR | $15.95 | $14.35 | $12.76 |
| ESS | 250W 120V 3000K | WIESS | $19.95 | $17.99 | $15.96 |
| ETB | 250W 120V 2900K | WIETB | $24.95 | $22.45 | $19.96 |
| ETC | 150W 120V 3000K Clear | WIETC | $14.95 | $13.45 | $11.96 |
| ETF | 150W 120V 2900K Frosted | WIETF | $16.95 | $15.25 | $13.56 |
| ETH | 150W 120V 2900K Frosted | WIETH | $19.95 | $17.99 | $15.96 |
| EVW | 250W 82V 3300K | WIEVW | $17.95 | $16.15 | $14.36 |
| EXR | 300W 82V 3350K | WIEXR | $19.95 | $17.99 | $15.96 |
| EXW | 300W 82V 3400K | WIEXW | $26.49 | $23.84 | $21.19 |
| EXY | 250W 82V 3200K | WIEXY | $29.49 | $26.54 | $23.59 |
| EYA | 200W 82V 3300K | WIEYA | $17.95 | $16.15 | $14.36 |
| EYB | 360W 82V 3250K | WIEYB | $16.49 | $14.84 | $13.19 |
| EYH | FKT 250W 120V 3050K | WIEYH | $21.95 | $19.75 | $17.56 |
| FAD | 650W 120V 3200K | WIFAD | $16.95 | $15.25 | $13.56 |
| FBX | 650W 120V 3200K Frosted | WIFBX | $36.95 | $33.25 | $29.56 |
| FBY | 1000W 120V 3200K Frosted | WIFBY | $31.95 | $28.75 | $25.56 |
| FCM | 1000W 120V 3200K Frosted | WIFCM | $17.95 | $16.15 | $14.36 |
| FDN | 500W 120V 3200K Frosted | WIFDN | $17.95 | $16.15 | $14.36 |
| FEL | 1000W 120V 3200K Clear | WIFEL | $27.95 | $25.15 | $22.36 |
| FEP | 1000W 240V 3200K Clear | WIFEP | $45.49 | $40.94 | $36.39 |
| FEV | 200W 120V 3200K Ushio | WIFEV | $15.95 | $14.35 | $12.76 |
| FEY | 2000W 120V 3200K Clear | WIFEY | $72.95 | $65.65 | $58.36 |
| FHM | 1000W 120V 3200K Frosted | WIFHM | $18.95 | $17.05 | $15.16 |
| FHS | 300W 82V 3300K | WIFHS | $18.95 | $17.05 | $15.16 |
| FKW | 300W 120V 3200K | WIFKW | $38.95 | $35.05 | $31.16 |
| FRK | 650W 120V 3200K | WIFRK | $38.95 | $35.05 | $31.16 |
| FTK | 500W 120V for Omni Light | WIFTK | $28.95 | $26.05 | $23.16 |
| FWM/FCM/HIR | 650W 120V | WIHIR | $24.95 | $22.45 | $19.96 |
| GCA | 250W 120V 3200K for Lowel | WIGCA | $18.95 | $17.05 | $15.16 |
| GDA | 500W 120V for Lowel VIP V LT | WIGDA | $18.95 | $17.05 | $15.16 |
| PH111A | 75W 125V 2900K | WIPH111 | $8.95 | $8.05 | $7.16 |
| PH140 | 75W 120V 2900K | WIPH140 | $6.95 | $6.25 | $5.56 |
| PH211 | 75W 120V | WI211 | $4.95 | $4.45 | $3.96 |
| PH212 | 150W 125V 2900K | WI212 | $4.95 | $4.45 | $3.96 |
| PH213 | 250W 125V 2900K | WI213 | $4.95 | $4.45 | $3.96 |



## Transparency Viewer Tubes

| Description | Item | Price |
|---|---|---|
| Logan 24x16" Tru-View/LV2400 | LV5000 | $15.95 |
| Logan 8x10" Desk Top Light/LV1810 | LV5030 | $15.95 |
| Acculight 4' Viewer Editor/KN1000 | KN5000 | $24.95 |
| Acculight 2' Viewer Editor/KN1020 | KN5005 | $24.95 |
| Portable 17x12 Viewer/KN1040 | KN5010 | $24.95 |
| Graphiclite replacement for GLV-10 BVST/T | GX9033 | $59.95 |
| Graphiclite replacement for GLX-10 and GLX-10LG | GX9025 | $42.95 |
| Graphiclite replacement for GLX-16LG and Model 29 | GX9030 | $42.95 |
| Graphiclite replacement for GLX-20 and GLX-20LG | GX9035 | $59.95 |
| Graphiclite replacement for GLX-44 and GLX-44LG | GX9040 | $59.95 |
| Macbeth Prooflite PLT-510 and PLT-214 | MB1500 | $13.95 |
| Macbeth Prooflite PLT-516 | MB1510 | $13.95 |
| Macbeth Prooflite PLT-942 | MB1520 | $12.95 |
| Tundra Portable 8x10 | TU9012 | $5.95 |

# Replacement Lamps and Bulbs

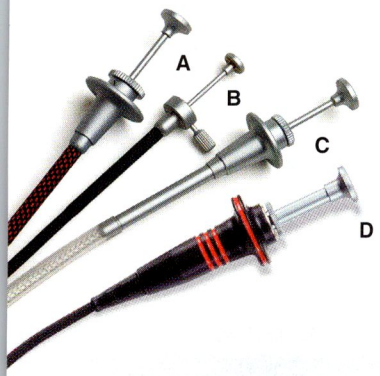






| Flash Head | Flash Tube | Price | Modeling Lamp | Price |
|---|---|---|---|---|
| **Balcar Current Style Heads (Made after 1990)** | | | | |
| U-Head | 1or2-BF30453 | $219.95 | 250w/BF30409 | $42.95 |
| Z-Head | 1or2-BF30453 | $219.95 | 250w/BF30409 | $42.95 |
| Bi-tube Heads | 2-BF30455 | $299.95 | 250w/BF30409 | $42.95 |
| Monobloc 3 | 1or2-BF30449 | $159.95 | 150w/BF30410 | $37.95 |
| PS-Z4, Z2 and Z4 | 1or2-BF30449 | $159.95 | 150w/BF30410 | $37.95 |
| Pencil Light | 1or2-BF30453 | $219.95 | 250w/BF30409 | $42.95 |
| Power Z | 1or2-BF30453 | $219.95 | 250w/BF30409 | $42.95 |
| Power Z Bi-tube | 1or2-BF30455 | $299.95 | 250w/BF30409 | $42.95 |
| Classic 350 750 | BF30459 | $78.95 | 250w/BF30409 | $42.95 |
| Classic 1500 | BF30449 | $159.95 | 250w/BF30409 | $42.95 |
| **Calumet Elite** | | | | |
| Clear | BW7245 | $229.95 | 250w/110v WIETB | $24.95 |
| UV | BW7240 | $229.95 | 250w/110v WIETB | $24.95 |
| **Series-2 (110 volt)** | | | | |
| Standard (3000 w/s) | CE2359 | $256.95 | 250w/EYH WIEYH | $21.95 |
| | | | 600w/DYH WIDYH | $19.95 |
| Spot-Lite | CE7035 | $299.95 | 100w/EFP WIEFP | $21.95 |
| Linear | CE7037 | $163.95 | 625w CE2344 | $53.95 |
| **Series-2 (220 volt)** | | | | |
| Standard (6000 w/s) | CE2348 | $309.95 | 600w CE2503 | $57.95 |
| Linear | CE7037 | $163.95 | 625w CE2345 | $53.95 |
| **Traveller** | | | | |
| Compact | CE2920 | $339.95 | 250w/110v OL1000 | $19.95 |
| | | | 250w/220v CE2999 | $52.95 |
| Fan-Cooled | CE2921 | $329.95 | 250w/110v OL1000 | $19.95 |
| Pencil-Lite | CE2922 | $276.95 | 250w/ESS WIESS | $19.95 |
| Linear | CE2923 | $133.95 | 300w/EHM WIEHM | $5.95 |
| Bi-Tube | 2 - CE2924 | $138.95ea | 250w/EYH WIEYH | $21.95 |
| **Traveller Plus** | | | | |
| Clear | CE2994 | $209.95 | 250w/110v OL1000 | $19.95 |
| UV | CE2995 | $219.95 | 250w/220v CE2999 | $52.95 |
| **Travelites** | | | | |
| Travelite 250 | BW1500 | $74.95 | OL1000 | $19.95 |
| Travelite 750 | BW1501 | $89.95 | OL1000 | $19.95 |
| Travelite 250 (UV) | BW1490 | $89.95 | OL1000 | $19.95 |
| Travelite 750 (UV) | BW1495 | $99.95 | OL1000 | $19.95 |
| **Dyna-lite** | | | | |
| 2040 Blower | DY3715 | $139.95 | 250w/ETB WIETB | $24.95 |
| Mini Head | DY3705 | $119.95 | 150w/ETF WIETF | $16.95 |
| Bi-Tube Blower | DY4055 | $179.95 | 250w/ESS WIETB | $24.95 |
| 4040 Studio Head | DY4098 | $179.95 | 250w/ESS WIETB | $24.95 |
| UNI-400 Monolight | DY3910 | $64.95 | 250w/ESS WIESS | $19.95 |

| Flash Head | Flash Tube | Price | Modeling Lamp | Price |
|---|---|---|---|---|
| **Norman** | | | | |
| Illuminator FQ-5 | NR2297 | $169.95 | 250w WIESS | $19.95 |
| Illuminator FQ-5 TC | NR2298 | $189.95 | 250w WIESS | $19.95 |
| Tri-Light 900 | NR2296 | $219.95 | 250w WIENH | $24.95 |
| **Series 450** | | | | |
| LH2, LH2K | NR2090 | $24.95 | — | — |
| | NR2091 (UV) | $35.95 | — | — |
| LH4 | NR2090 | $24.95 | 25w SB3515 | $4.95 |
| | NR2091 (UV) | $35.95 | — | — |
| **Series 500** | | | | |
| LH4 | NR2191 | $49.95 | 25w SB3515 | $4.95 |
| LH500 | NR2190 | $69.95 | 150w/ESP WIESP | $16.95 |
| **Series 900** | | | | |
| LH2000, LH2400 | NR2290 | $129.95 | 150w/ESP WIESP | $16.95 |
| | NR2291 (UV) | $137.95 | 150w/ESP WIESP | $16.95 |
| LH4000 | NR2294 (UV) | $272.95 | 150w/ESP WIESP | $16.95 |
| **Photogenic** | | | | |
| Powerlight 600/1500 | PG2357 | $135.95 | 150w/ESR WIESR | $15.95 |
| Powerlight 375/750 | PG2361 | $82.49 | 150w/ESR WIESR | $15.95 |
| **Profoto** | | | | |
| Pro PB Head | PF1500 | $278.95 | 250w/EHT WIEHT | $19.95 |
| Pro Twin - Single Tube | PF1502 | $297.95 | 500w/EVR WIEVR | $21.95 |
| Pro Stick-UV Frosted | PF1504 | $379.95 | 250w/EHT WIEHT | $19.95 |
| Acute Head UV | PF1506 | $278.95 | 250w/OL1000 | $19.95 |
| Compact Head | PF1510 | $139.95 | 250w/OL1000 | $19.95 |
| Pro Ring | PF1512 | $565.95 | — | — |
| **Speedotron Black Line** | | | | |
| 102 | SB1554 | $119.95 | 250w/ESS WIESS | $19.95 |
| | SB1556 (UV) | $129.95 | | |
| 103 | SB1612 | $109.95 | 150w/ETC WIETC | $14.95 |
| | SB1558 (UV) | $119.95 | | |
| 104 (1200w/s) | SB1602 | $94.95 | 250w/ESS WIESS | $19.95 |
| | SB1603 (UV) | $109.95 | 250w/ESS WIESS | $19.95 |
| 104 (2400w/s) | SB1564 (UV) | $159.95 | 250w/ESS WIESS | $19.95 |
| 105 | SB1564 | $159.95 | 250w/ESS WIESS | $19.95 |
| 106 | SB1560 | $199.95 | 250w/ESS WIESS | $19.95 |
| | SB1562 (UV) | $229.95 | 250w/ESS WIESS | $19.95 |
| 202 VF | SB1640 | $119.95 | 250w/EYH WIETB | $24.95 |
| | SB1645 (UV) | $139.95 | 250w/EYH WIETB | $24.95 |
| Zoom Spot | SB1014 (UV) | $189.95 | 250w/EYH WIEYH | $21.95 |
| **Speedotron Brown Line** | | | | |
| M11Q | SB1612 | $109.95 | 150w/ESP WIESP | $16.95 |
| M11 | SB1620 | $64.95 | 150w/ESP WIESP | $16.95 |
| M90Q | SB1602 | $94.95 | 25w SB3515 | $4.95 |
| M90 | SB1615 | $22.95 | 25w SB3515 | $4.95 |
| MW3UQ | SB1602 | $94.95 | 150w/ESP WIESP | $16.95 |
| W3R | SB1615 | $22.95 | 60w SB3520 | $2.95 |




## Calumet Shutter Releases

**B 12" Standard Cable Release**
Cloth-covered with thumbscrew lock.
**BR5012 $6.95**

**B 20" Standard Cable Release**
Cloth-covered with thumbscrew lock.
**BR5020 $8.95**

**C 20" Heavy-duty Cable Release**
Plastic-covered, metal-clad release with circular disk lock.
**HV1000 $12.95**

**A 20" Pro Cable Release**
Flexible, cloth-covered release with disk lock for time exposures.
**HV2000 $19.95**

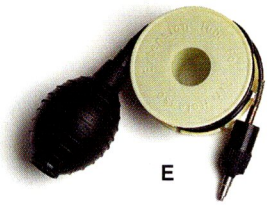
**C 40" Heavy-duty Cable Release**
Plastic-covered, metal-clad release with circular disk lock.
**HV1040 $13.95**

**D Calumet Deluxe Cable Release**
Has substantial hand-grip with disk lock and a spring-protected tip.
**20" BR5122 $29.95**
**40" BR5120 $39.95**

## Special Purpose Shutter Releases

**20" Flex-Tip Cable Release**
Ideal for use with recessed lensboards. **GR1021 $25.95**

**Swivel Cable Release Adapter**
Attaches cable release to recessed lensboard. **CB2400 $24.95**




## Air Releases

**E Calumet 20' Air Release**
Bulb activates shutter from up to 20'!
**BR5000 $9.95**

**DeGroff**
**6' Medium Format Air Release**
Includes 90° adapter
**DG1400 $74.95**

**DeGroff 6' Universal Air Release**
Guaranteed for life! **DG1600 $74.95**



## Heavy-Duty Spanner Wrench

Great for mounting lenses with retaining rings ½" to 7". Includes 3½" and 7" hex bars, hollow-hex arms and three sets of 7/32" hex-bodied tips.
**ES1000 $99.95**

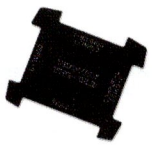



## The Camera Key

This simple little tool is essential for any Hasselblad camera owner or user. It is designed to "unjam" your Hasselblad when your body and lens go out of sync. **AA0300 $29.95**

## Tripod Reducer Bushing

Reduces tripod mount from ⅜ to ¼-20 threads. Suitable for large format cameras. **CB2750 $4.95**



## Toyo Lens Mount Wrench

This multi-purpose wrench fits right in your pocket or camera bag and will mount and dismount lenses with Copal, Compur and Seiko #0 and #1 shutters on any lens board.
**TY0220 $10.95**




## Calumet P.C. Repair Tool

Designed to repair the socket end of P.C. cords, this tool will keep your tip fitting snug, by realigning the center contact. Small enough to be carried in your pocket. **HL8050 $9.95**



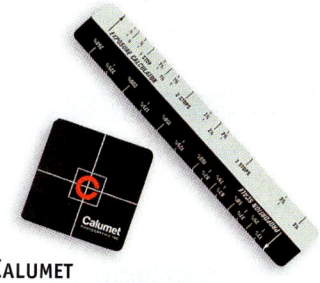

## Bulk Film Loading

### Reloadable 35mm Film Cassettes

| | | |
|---|---|---|
| Metal Cassettes - pkg. 4 | BR1180 | $3.95 |
| Metal Cassettes - pkg. 100 | BR1190 | $52.95 |
| Plastic Cassettes - pkg. 4 | BR1188 | $4.95 |
| Plastic Cassettes - pkg. 100 | BR1187 | $72.95 |

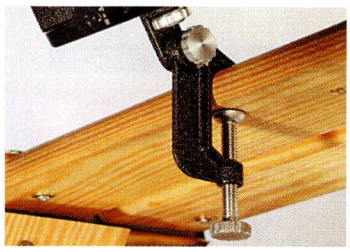
**Kodak Snap-Cap 35mm Cassettes**
These reusable, metal film cassettes offer light-tight reloading from bulk film loaders. Package of 10.
**KK9498 $11.95**

**G Watson 35mm Bulk Loader**
Features daylight cassette loading from up to 100 ft. bulk rolls. Built-in frame counter. **BR1000 $27.95**



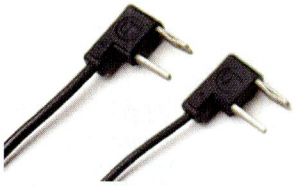

## Calumet Exposure Calculator

If you shoot table-top or close-up subjects with a bellows-focus cameras then "bellows factor" (light fall-off between lens and film plane) is a constant consideration. The Calumet Exposure Calculator provides you with quick exposure compensation information to within ⅓ of a stop.
**CC9201 $6.95**



## The Clampette

Turn just about anything into a camera stand! Clampette attaches to your camera's tripod socket and securely screws onto just about anything for long exposures. The compact Clampette is made of die-cast aluminum alloy yet weighs only 2 oz.
**AA0200 $6.95**



***Buy 3 or More, SAVE 10%!***

## Paramount Sync Cords

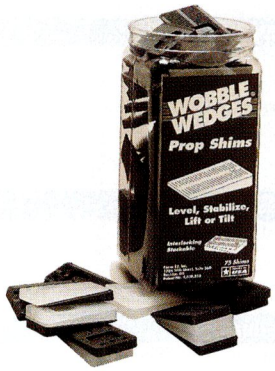
Paramount has produced the finest heavy-duty flash sync cords for over 30 years. Designed for durability and reliability.

### Coiled Cords

| | | |
|---|---|---|
| 5' Household to PC | PN1008 | $16.95 |
| 15' Household to PC | PN1010 | $33.95 |
| 5' PC Long Tip to Household | PN1012 | $19.95 |
| 5' PC to Rollei | PN1021 | $16.95 |
| 5' Household to Nikon Screw | PN1015 | $16.95 |
| 6' PC to PC extension male to female | PN1023 | $16.95 |
| 4' PC to Vivitar 283 | PN1033 | $17.95 |

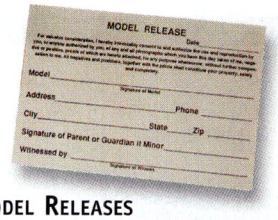
### Straight Cords

| | | |
|---|---|---|
| 1' Household to PC | PN2005 | $12.95 |
| 10' Household to PC | PN2015 | $17.95 |
| 15' Household to PC | PN2018 | $19.95 |
| 1' Manual Tripper | PN2020 | $18.95 |
| 10' Household Male to Female Extension | PN2025 | $17.95 |
| 15'PC to PC Male to Female | PN2030 | $19.95 |




## Wobble Wedges

Exceptionally versatile plastic shims for making precise prop adjustments quickly and easily. Patented interlocking ridges allow Wobble Wedges to be stacked to any height. They can be trimmed to fit any shape with a knife. 75 1⅞ x 1⅛" shims per jar.
**Clear WW0100 $16.95**
**Black WW0105 $16.95**




## Model Releases

When you work with models, you'll want to have the agreement on paper. A must-have if you plan to sell or publish your work. Package of 25.
**BR0140 $4.95**

# Special Effects




## Trengove Effects

**Bubbles**
Set of 12 pieces in assorted sizes, whole and half spheres. Made of Pyrex® glass. **IC1105 $118.95**

**Ⓐ Floating Bubbles (set of 3)**
**IC2170 $32.95**

**Glycerin**
Gives fruit that fresh "just washed" look or ice that "I'm melting" look. 4 oz. **IC2055 $3.95**

**Ⓑ Aqua Frost**
For frosty effects on mugs, bottles, and windows. Can be applied with a small spray gun or air brush. Essentially non-toxic, yet should be handled like any paint. 6 oz. **IC2020 $34.95**

**Poly Gel**
This crystal clear gel-like substance retains unusual shapes to resemble small waves in the surface of water. In conjunction with acrylic ice cubes, you can make a product look "frozen in." Poly Gel also holds bubbles for an effective boiling water or carbonated look. 16 oz. jar. **IC2013 $30.95**

**Ⓒ Aqua Gel**
Multi-purpose liquid great for creating spills and drops. Thin it with water and add food dyes for custom effects. 1 pint. **IC2000 $34.95**

**Ⓓ Ice Powder**
Creates realistic frost particles that clings to bottles, cans or food! Not affected by studio lighting. Non-toxic and biodegradable. 6oz. **IC2005 $27.95**

**Ⓔ Steam Chips**
Produce "piping hot" beverages quickly. Just add water to emit real steam. **IC2003 $44.95**

**Ⓕ Foam Booster Kit**
Keep that foam at attention even under hot lights! Takes an ordinary warm beverage and gives it a fresh-poured look that lasts. Kit includes stabilizer liquid, vinyl tubing, airstone and instructions. **IC2015 $24.95**

**Crystal Ice**
Add water to these high absorption granules to simulate the look of crystal-clear crushed ice. Ideal for food spreads which call for a "bed of ice," such as seafood or bottled and canned beverages. Not recommended for use in drinks. This 6 oz. bottle makes 1½ gallons. **IC2010 $27.95**

**Floating Soft Ice**
Made from a clear synthetic rubber, it floats just like real ice. Comes in a 1½ x 1½ x 3" bar, and breaks off easily. **IC1020 $29.95**

**Styro Snow**
Does the layout call for a powdery snow effect? You've got the answer in this 1 lb. bag! **IC1025 $9.95**

### Special Effects Sample Kit
Includes ½ oz. jars of Steam Chips, Ice Powder, Aqua Gel, Crystal Ice and Aqua Frost. Here's a great way to try a bunch of effects. **IC2200 $34.95**

*Prices are subject to change without notice.*

## Molded Ice Effects
These molded acrylic shards, cubes and crushed ice pieces are an economical alternative to the hand-carved ones. Cubes are identical, shards and crushed pieces are various sizes.

| | | |
|---|---|---|
| Molded 1½" Shards (25) | IC1102 | $9.95 |
| Molded 1¼" Cubes (12) | IC1101 | $11.95 |
| Molded Crushed Ice ⅛"(100, 1 cup) | IC1103 | $19.95 |

## Handmade Ice Effects
These hand-crafted ice cubes offer long-lasting, realistic effects. Each one is unique and offers more surface cuts than most artificial ice for that real-life look.

**Cubes (Acrylic)**

| | | |
|---|---|---|
| 1⅜" Cube | IC1000 | $25.95 |
| 1⅛" Cube | IC1005 | $25.95 |
| 1" Cube | IC1010 | $25.95 |

**Amorphic Cubes (Acrylic)**
Less square than the cubes above, these feature more complex facets.

| | | |
|---|---|---|
| 1⅜" Cube | IC1030 | $25.95 |
| 1⅛" Cube | IC1035 | $25.95 |

**Soda Cubes and Oblongs (Acrylic)**
Made to resemble machine-made cubes.

| | | |
|---|---|---|
| Ⓖ ⅝" Soda Cube | IC1080 | $10.95 |
| Ⓗ 1½ x ¾" Oblong | IC1090 | $13.95 |

**Shards (Acrylic)**
For that "chipped off the ice block" look. 1-2" Shard **IC1060 $25.95**

**Ice Cube Kit (Acrylic)**
This Calumet/Trengove Kit includes 3 handmade 1⅜" Cubes and one Wedge. **IC3000 $99.95**

## K-Line Dulling Sprays
Incredibly even spray patterns. Removable with soft cloth or a little solvent (trichloro-ethane). Non-hazardous, non-permanent. Ozone-safe propellant. 16 oz. cans.

**K-Line Matte**
A fine, colorless spray. **IC4000 $12.95**

**K-Line Semi-Matte**
The most useful spray around. Blends easily and doesn't flatten. **IC4001 $12.95**

**K-Line Black**
Adds a distinguished edge with white-on-white, or as shading on large objects. **IC4002 $12.95**

**K-Line White**
Used for highlighting objects. **IC4003 $12.95**

**K-Line Neutral Grey**
Provides a translucent black effect. **IC4004 $12.95**

## General Effects

**Krylon Dulling Spray**
Prevents glare or "blind spots" from any reflective surfaces. Removes easily. 11 oz. **BR1115 $5.95**
**BR1115 (Case 12) $65.88**

**Atomizer**
Produces an extremely fine mist wherever you need tiny beads of water or liquid. **IC2045 $10.95**

**Rosco Fog Machine Fluid**
Produces a dense non-toxic smoke when vaporized by fog machine. FDA approved.

| | | |
|---|---|---|
| 1 gallon | RC6020 | $42.95 |
| 1 liter | RC6025 | $13.95 |

**Brillianize**
Cleans, polishes and gives anti-static coat to acrylic (cubes, etc.). 8 oz. pump. **IC2050 $5.95**

**EZ Tak**
Sticky stuff that positions things where you want them. Reusable and cleans-up easily. 2 x 3" slab **IC2040 $2.95**

**Tackiwax**
Puts props in their place – and keeps them there! 1 lb. of reusable wax. **BL2701 $12.95**

# Kodak Transparency Film

## Ektachrome




### E100VS (ISO 100 Daylight)

With Ektrachrome E1000VS, the "V" stands for vivid and the "S" for saturation. This film offers the most vivid, saturation colors available today in a daylight balanced, 100-speed professional chrome film. Other advantages include higher shutter speeds to capture moton, increased depth of field and extended working days under existing-light conditions. Compatible with Polaroid proofing films.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| E100VS 135-36 exp. | KP01041 | $9.50 | — |
| E100VS 135-36 ProPack (5) | KP01042 | $35.99 | — |
| E100VS 135-36 exp. (20) | KP01043 | $128.95 | — |
| E100VS 135-100' | KP01044 | $108.95 | — |
| E100VS 120 | KP01045 | $5.15 | $4.85 |
| E100VS 120 Pro-pack (5) | KP01046 | $24.99 | $23.69 |
| E100VS 220 Pro-pack (5) | KP01047 | $49.99 | $47.19 |
| E100VS 4 x 5 (10) | KP01048 | $23.69 | 20 @ $22.39 |
| E100VS 4 x 5 (50) | KP01050 | $107.95 | 10 @ $101.95 |
| E100VS 8 x 10 (10) | KP01051 | $89.99 | 10 @ $84.99 |
| E100VS 8 x 10 (50) | KP01052 | $418.95 | 5 @ $394.95 |

### EPR (ISO 64 Daylight)

Ektachrome 64 provides a high degree of sharpness with enhanced color saturation, while capturing subtle textures and fine detail. EPR is also balanced to reproduce beautiful skin tones.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPR 135-36 exp. | KP1406 | $10.79 | $10.19 |
| EPR 404 135 x 100' | KP01107 | $112.95 | — |
| EPR 120 | KP01201 | $5.85 | $5.50 |
| EPR 120 Pro-pack (5) | KP01200 | $28.49 | 4 @ $26.99 |
| EPR 220 Pro-pack (5) | KP01300 | $57.79 | 4 @ $54.49 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| EPR 6117/4x5 (10) | KP01104 | $24.19 | 20 @ $22.89 |
| EPR 6117/4x5 (50) | KP01106 | $111.95 | 10 @ $104.95 |
| EPR 6117/8x10 (10) | KP01004 | $91.99 | 10 @ $86.99 |
| EPR 6117/8x10 (50) | KP01006 | $432.95 | 5 @ $408.95 |

### 64T EPY (ISO 64 3200° K)

Renders very accurate colors with Tungsten illumination (3200°K) and yields images with fine grain and superb sharpness, utilizing T-Grain® emulsion. 64T also provides an amazing exposure range of 1/1000 to 100 seconds with no reciprocity corrections needed.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| EPY 135-36 exp. | KP1405 | $9.55 | $9.00 |
| EPY 404 135 x 100' | KP00541 | $99.97 | — |
| EPY 120 | KP01220 | $5.20 | $4.89 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| EPY 6118/4x5 (10) | KP01100 | $21.69 | 20 @ $20.39 |
| EPY 6118/4x5 Readyload (20) | KP01099 | $56.19 | 20 @ $52.99 |
| EPY 6118/4x5 (50) | KP01102 | $99.39 | 10 @ $93.79 |
| EPY 6118/5x7 (50) | KP00902 | $174.95 | 10 @ $164.95 |
| EPY 6118/8x10 (10) | KP01000 | $81.79 | 10 @ $77.19 |
| EPY 6118/8x10 (50) | KP01002 | $384.95 | 5 @ $362.95 |




### E-100S (ISO 100 Daylight)

("S" = Saturated Color) Kodak's patented color reversal film technology provides vibrant color saturation, excellent skin tone reproduction, crisp highlights, smooth tonal gradation and shadow detail with rich blacks. Features an ultra-fine grain structure and sharpness provided by Kodak's T-Grain® technology plus excellent reciprocity characteristics for long or multiple exposures (no filtration or exposure compensation from 1/10,000 to 10 seconds). Combined with superb, predictable pushability (to +2), E-100S is an extremely versatile, easy-to-use, high performance film emulsion.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| E100S 135-36 exp. | KP01060 | $9.10 | — |
| E100S 135-36 Pro-pack (5) | KP01061 | $34.49 | — |
| E100S 135 Pack (20) | KP01063 | $125.95 | — |
| E100S 404 135 x 100' | KP01065 | $102.95 | — |
| E100S 120 | KP01066 | $4.90 | $4.60 |
| E100S 120 Pro-pack (5) | KP01069 | $23.89 | 4 @ $22.59 |
| E100S 220 Pro-pack (5) | KP01071 | $47.69 | 4 @ $45.09 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| E100S 7069/4x5 (10) | KP01072 | $22.39 | 20 @ $21.09 |
| E100S/4x5 Readyload (20) | KP01074 | $57.99 | 20 @ $54.97 |
| E100S 7069/4x5 (50) | KP01076 | $102.95 | 10 @ $96.99 |
| E100S 7069/8x10 (10) | KP01078 | $84.69 | 10 @ $79.89 |
| E100S 7069/8x10 (50) | KP01080 | $397.95 | 5 @ $375.95 |

### E-100SW (ISO 100 Daylight)

("SW" = Saturated Warm Color) Provides all of the performance attributes of E-100S, with a warmer color balance.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| E100SW 135-36 exp. | KP01083 | $9.10 | — |
| E100SW 135-36 Pro-pack (5) | KP01084 | $34.49 | — |
| E100SW 135 Pack (20) | KP01086 | $125.95 | — |
| E100SW 404 135 x 100' | KP01087 | $102.95 | — |
| E100SW 120 | KP01088 | $4.90 | $4.60 |
| E100SW 120 Pro-pack (5) | KP01090 | $23.89 | 4 @ $22.59 |
| E100SW 220 Pro-pack (5) | KP01095 | $47.69 | 4 @ $45.09 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| E100SW 7068/4x5 (10) | KP01053 | $22.39 | 20 @ $21.09 |
| E100SW 4x5 Readyload (20) | KP01054 | $57.99 | 20 @ $54.97 |
| E100SW 7068/4x5 (50) | KP01055 | $102.95 | 10 @ $96.99 |
| E100SW 7068/8x10 (10) | KP01057 | $84.69 | 10 @ $79.89 |
| E100SW 7068/8x10 (50) | KP01058 | $397.95 | 5 @ $375.95 |

### EPN (ISO 100 Daylight)

Ektachrome 100 Professional renders extremely accurate colors and features a unique ability to reduce unwanted color reflectance in subjects. Reproduces accurate, subtle colors in textiles, furniture and other difficult subjects and also yields very pleasing skin tones for fashion and portraiture.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPN 135-36 exp. | KP1408 | $10.00 | $9.50 |
| EPN 404 135 x 100' | KP01430 | $104.95 | — |
| EPN 120 | KP01203 | $5.45 | $5.15 |
| EPN 120 Pro-pack (5) | KP01202 | $26.79 | 4 @ $25.29 |
| EPN 220 Pro-pack (5) | KP01215 | $54.19 | 4 @ $50.99 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| EPN 7058/4x5 (10) | KP01108 | $22.79 | 20 @ $21.49 |
| EPN 7058/4x5 (50) | KP01110 | $104.95 | 10 @ $98.79 |
| EPN 7058/5x7 (10) | KP01155 | $39.99 | 20 @ $37.79 |
| EPN 7058/8x10 (10) | KP01008 | $86.29 | 10 @ $81.49 |
| EPN 7058/8x10 (50) | KP01010 | $405.95 | 5 @ $382.95 |




### EPP (ISO 100 Daylight)

Ektachrome Professional Plus film features moderately enhanced color saturation with a soft highlight contrast, clean neutrals through the entire tone scale and beautiful skin tones. EPP also excels in multi-pop, flash situations.

| Rolls Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPP 135-36 exp. | KP01160 | $10.00 | $9.50 |
| EPP 404 135 x 100' | KP01168 | $104.95 | — |
| EPP 120 | KP01162 | $5.45 | $5.15 |
| EPP 120 Pro-pack (5) | KP01164 | $25.99 | 4 @ $24.99 |
| EPP 220 Pro-pack (5) | KP01166 | $54.19 | 4 @ $50.99 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| EPP 6105/4x5 (10) | KP01170 | $22.79 | 20 @ $21.49 |
| EPP 6105/4x5 Readyload (20) | KP01177 | $58.99 | 20 @ $55.89 |
| EPP 6105/4x5 (50) | KP01172 | $99.99 | 10 @ $96.99 |
| EPP 6105/8x10 (10) | KP01174 | $86.29 | 10 @ $81.49 |
| EPP 6105/8x10 (50) | KP01176 | $405.95 | 5 @ $382.95 |

### EB (ISO 100 Daylight)

Elite 100 is a moderate speed, daylight film, with increased color saturation and high resolving power.

| | Item | Each | 20 Pc. |
|---|---|---|---|
| EB 135-24 exp. | KP01653 | $5.60 | $5.25 |
| EB 135-36 exp. | KP01652 | $7.60 | $7.15 |

### EBX (ISO 100 Daylight)

| | Item | Each | 20 Pc. |
|---|---|---|---|
| EBX 135-24 exp. | KP01659 | $5.85 | $5.50 |
| EBX 135-36 exp. | KP01656 | $8.15 | $7.70 |

# Kodak Transparency Film

## Ektachrome

### ET (ISO 160 3200K)

High-speed, general purpose tungsten "B" balanced film.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| ET 135-36 exp. | KP01611 | $9.35 | $8.80 |

### EPT 160T (ISO 160 3200K)

Medium speed, tungsten balanced film offers fine grain and high sharpness. No compensation for reciprocity needed from 1/10,000 to 1 sec. exposures.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPT 135-36 exp. | KP1410 | $10.99 | $10.39 |
| EPT 404 135 x 100' | KP01211 | $113.95 | — |
| EPT 120 Pro-pack (5) | KP01210 | $29.39 | 4 @ $27.79 |

### ED (ISO 200 Daylight)

Elite 200 is a high-speed, daylight film with fine grain and clean color separation.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| ED 135-24 exp. | KP01613 | $6.70 | $6.35 |
| ED 135-36 exp. | KP01615 | $9.35 | $8.80 |

### E200 (ISO 200 Daylight)

With its T-Grain™ emulsion, E200 offers sharpness normally found only in films half its speed. Produces accurate flesh tones and no reciprocity failure from 1/10,000 to 10 sec. Can also be pushed up to 3 stops without color shifts or contrast gain.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| E200 135-36 exp. | KP01371 | $10.09 | — |
| E200 135-36 exp.Pro-pack (5) | KP01373 | $48.49 | — |
| E200 135-36 exp.Press-pack (20) | KP01374 | $176.95 | — |
| E200 135 x 100' | KP01377 | $108.95 | — |
| E200 120 | KP01380 | $5.45 | — |
| E200 120 Pro-pack (5) | KP01383 | $26.79 | 4@ $25.29 |
| E200 220 Pro-pack (5) | KP01386 | $53.49 | 4@ $50.49 |

### EIR (ISO 200 Infrared)

Ektachrome Infrared (EIR) is the first process E-6 compatible, infrared sensitive, color reversal film ever made. EIR is sensitive to the visible spectrum and infrared radiation from 700 to 900 nm. This film features higher speed with more color saturation and contrast than previous E-4 compatible infrared emulsions. Yields surreal, vibrant colors from infrared radiation not visible to the unassisted eye. (Recommendations: Use a #12 Yellow filter, load/unload camera in darkness and do not expose this film to processing equipment with infrared sensors.)

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| EIR 135-36 exp. | KP01359 | $21.49 | $20.49 |

### EPJ 320T (ISO 320 3200K)

Incorporates T-Grain™ emulsion technology for fine grain and extremely high sharpness while providing speed for working in low light or at high shutter speeds. No compensation for reciprocity needed from 1/10,000 to 1 sec. exposures.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPJ 135-36 exp. | KP01195 | $12.49 | — |
| EPJ 135-36 exp. Pro-pack (5) | KP01196 | $60.99 | 4 @ $57.49 |

### EL (ISO 400 Daylight)

Elite 400 is a high-speed daylight film suitable for subjects requiring good depth of field and high shutter speeds.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| EL 135-24 exp. | KP01617 | $7.95 | $7.50 |

### EPL (ISO 400 Daylight)

EPL/400X is the first Ektachrome to incorporate Kodak's patented T-Grain® technology in its emulsions. 400X gives photographers extra speed (up to 800 ISO with 1-stop push), excellent color saturation and fine grain.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| EPL 135-36 exp. | KP1418 | $12.49 | — |
| EPL 135-36 Press-pack (20) | KP1419 | $212.95 | — |
| EPL 404 135 x 100' | KP01240 | $127.95 | — |
| EPL 120 | KP0126 | $6.75 | — |
| EPL 120 Pro-pack (5) | KP0125 | $33.09 | 4 @ $31.29 |

### EPH P1600 (ISO 1600 Daylight)

Features moderate color saturation, contrast and grain, with high resolving power. Normal EI is 400, EI is 800 with Push 1, and 1600 with Push 2. Creative grain effect is apparent at Push 2.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| EPH 135-36 exp. | KP0142 | $13.49 | $12.69 |

### ESD Duplicating Film (3200K)

Professional tungsten balanced film. Designed for making duplicate slides from original Kodachrome and Ektachrome slides.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| ESD 135-36/5071 | KP01419 | $8.20 | $7.70 |
| ESD 663/5071 135 x 100' | KP01500 | $48.99 | — |
| ESD 663/5071 135 x 400' | KP00550 | $192.95 | — |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| Dupe 6121 4x5 (50 ) | KP01103 | $83.99 | 10 @ $79.29 |
| Dupe 6121 5x7 (25) | KP01105 | $76.69 | 20 @ $72.19 |
| Dupe 6121 8x10 (50) | KP01115 | $321.95 | 5 @ $303.95 |

### SO-366 Duplicating Film (Daylight)

Professional daylight film with similar characteristics to ESD but with improved response to electronic flash.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| SO-366 135-36 exp. | KP01352 | $8.50 | $8.00 |
| SO-366 135 x 100' | KP01353 | $69.29 | — |

## Kodachrome

### KM (ISO 25 Daylight)

Slow speed daylight film featuring almost grainless image structure with excellent color reproduction.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| KM 135-36 exp. | KP01623 | $7.85 | $7.40 |

### KR (ISO 64 Daylight)

Medium speed daylight film for general purposes.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| KR 135-24 exp. | KP01625 | $5.65 | $5.30 |
| KR 135-36 exp. | KP01627 | $7.85 | $7.40 |

### PKR (ISO 64 Daylight)

Professional medium speed daylight film for general purposes.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| PKR 135-36 exp. | KP1402 | $10.19 | $9.60 |

### KL (ISO 200 Daylight)

High speed daylight color film features fine grain and sharpness.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| KL 135-36 exp. | KP01681 | $9.45 | $8.90 |

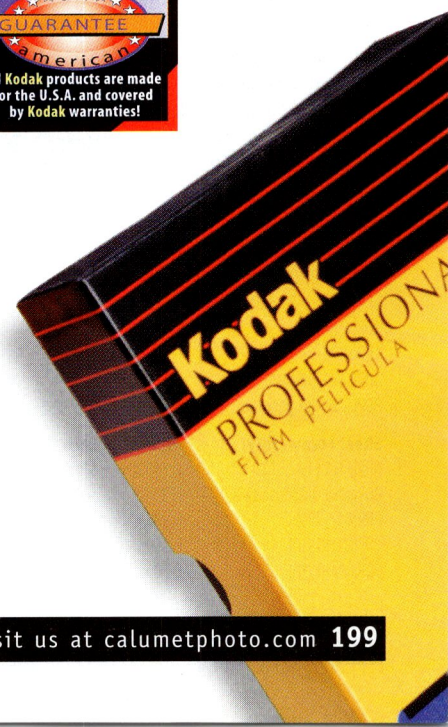
### PKL (ISO 200 Daylight)

Professional high speed daylight film features fine grain and high resolving power.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| PKL 135-36 exp. | KP1403 | $11.39 | $10.69 |

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# Color Transparency Film

## Fujichrome

### Velvia 50 Professional RVP (ISO 50)

Vivid color, depth of tone and excellent sharpness. Yields beautiful skin tones, with accurate gray balance. Fine-grain emulsion offers push-processing (+1 to -½), and large reproductions.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| RVP 135-36 | FF7050 | $8.99 | — |
| RVP 135-36 Press-pack (20) | FF7051 | — | $5.30 |
| RVP 135-36 Pro-pack (5) | FF7053 | $34.49 | — |
| RVP 135x100' | FF7049 | $116.95 | — |
| RVP 120 | FF7052 | $4.95 | — |
| RVP 120 Pro-pack (5) | FF7054 | $23.69 | 4 @ $22.89 |
| RVP 220 Pro-pack (5) | FF7056 | $47.99 | 4 @ $46.29 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| RVP 4x5 (10) | FF7058 | $22.49 | 20 @ $21.49 |
| RVP 4x5 Quickload (20) | FF7061 | $64.49 | 20 @ $60.99 |
| RVP 4x5 (50) | FF7060 | $99.99 | 10 @ $96.49 |
| RVP 8x10 (10) | FF7062 | $84.49 | 10 @ $80.49 |
| RVP 8 x10 (50) | FF7064 | $384.95 | 5 @ $369.95 |

### 64 Professional Tungsten RTPII (ISO 64 3100K)

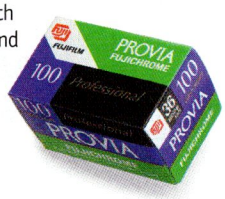
For use under tungsten lighting, RTPII renders fine details and color reproduction that is clean and faithful. Outstanding reciprocity characteristics make it an outstanding choice for long exposures, low light and extended depth of field. Film also excels in push/pull-processing.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| RTP 135-36 | FF4001 | $9.15 | $8.70 |
| RTP 135x100' | FF4003 | $99.99 | — |
| RTP 120 | FF4011 | $4.90 | $4.70 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| RTP 4x5 (10) | FF4030 | $21.79 | 20 @ $20.49 |
| RTP 4x5 Quickload (20) | FF4045 | $61.99 | 20 @ $58.99 |
| RTP 4x5 (50) | FF4040 | $97.79 | 10 @ $92.39 |
| RTP 8x10 (10) | FF4050 | $81.99 | 10 @ $77.29 |
| RTP 8x10 (50) | FF4060 | $379.95 | 5 @ $358.95 |

### Provia 100 Professional RDP II (ISO 100)

Renders colors vividly, with excellent shadow detail and rich skin tones. Wide exposure latitude has subtle contrast, smooth tonal gradation. *New RDPIII Provia F 100 available in Fall, '99.*




| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| RDPII 135-36 | FF3082 | $8.79 | — |
| RDPII 135-36 Press-pack (20) | FF3084 | — | $5.20 |
| RDPII 135-36 Pro-pack (5) | FF3083 | $33.59 | — |
| RDPII 135x100' | FF3085 | $112.95 | — |
| RDPII 120 | FF3086 | $4.80 | — |
| RDPII 120 Pro-pack (5) | FF3087 | $22.99 | 4 @ $22.29 |
| RDPII 220 Pro-pack (5) | FF3088 | $46.49 | 4 @ $44.99 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| RDPII 4x5 (10) | FF3090 | $21.99 | 20 @ $20.99 |
| RDPII 4x5 Quickload (20) | FF3092 | $62.99 | 20 @ $59.49 |
| RDPII 4x5 (50) | FF3094 | $97.99 | 10 @ $94.69 |
| RDPII 8x10 (10) | FF3096 | $82.99 | 10 @ $79.39 |
| RDPII 8x10 (50) | FF3098 | $377.95 | 5 @ $364.95 |

### Astia 100 Professional RAP (ISO 100)




Fujichrome Astia sets new standards in skin tone reproduction, color fidelity and highlight contrast. Features flexible push/pull performance and excellent compatibility with multiple exposure techniques.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| RAP 135-36 | FF3105 | $8.79 | — |
| RAP 135-36 Press-pack (20) | FF3110 | — | $5.20 |
| RAP 135-36 Pro-pack (5) | FF3107 | $33.59 | — |
| RAP 135x100' | FF3115 | $112.95 | — |
| RAP 120 | FF3120 | $4.80 | — |
| RAP 120 Pro-pack (5 ) | FF3122 | $22.99 | 4 @ $22.29 |
| RAP 220 Pro-pack (5) | FF3124 | $46.49 | 4 @ $44.99 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| RAP 4x5 (10) | FF3130 | $21.99 | 20 @ $20.99 |
| RAP Quickload 4x5 (20) | FF3132 | $62.99 | 20 @ $59.49 |
| RAP 4x5 (50) | FF3134 | $97.99 | 10 @ $94.69 |
| RAP 8x10 (10) | FF3136 | $82.99 | 10 @ $79.39 |
| RAP 8x10 (50) | FF3138 | $377.95 | 5 @ $364.95 |

### MS 100/1000 Professional RMS (ISO 100 to 1000)

This new "pushable" professional daylight film is the solution to the ever-present challenge of the location photographer: changeable and unpredictable lighting conditions. Maintains its sharpness and accurate color balance even when pushed to 1000.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| RMS 135-36 | FF3403 | $9.95 | — |
| RMS 135-36 Pro-pack (5) | FF3405 | $47.39 | — |
| RMS 135-36 Press-pack (20) | FF3406 | $178.95 | — |
| RMS 135x100' | FF3409 | $119.95 | — |
| RMS 120 | FF3412 | $5.39 | — |
| RMS 120 Pro-pack (5) | FF3415 | $25.89 | 4@$24.99 |
| RMS 220 Pro-pack (5) | FF3418 | $52.29 | 4@$50.49 |

### Sensia II 100 RA (ISO 100)

Fujichrome Sensia II 100 yields images of great dimensional depth, a result of smooth tonal range, saturation, and faithful rendering of detail from shadow to highlights.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RA 135-24 | FF8545 | $5.40 | $5.10 |
| RA 135-36 | FF8548 | $7.40 | $7.00 |

### Sensia II 200 RM (ISO 200)

Fujichrome Sensia II 200 renders excellent saturation and image detail in moderate light.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RM 135-24 | FF8551 | $6.35 | $6.00 |
| RM 135-36 | FF8554 | $8.85 | $8.35 |

### Provia 400 Professional RHP (ISO 400)

Fast transparency film achieves accurate color, preserves good detail from highlight to shadow. Excellent sharpness.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RHP 135-36 | FF5001 | $11.99 | $11.49 |
| RHP 135x100' | FF5002 | $135.95 | — |
| RHP 120 | FF5011 | $7.30 | $6.95 |

### Sensia II 400 RH (ISO 400)

Fujichrome Sensia II 400 renders natural colors and good detail even in low light situations. Good reciprocity characteristics and suitability to artificial light.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RH 135-24 | FF8557 | $7.65 | $7.20 |
| RH 135-36 | FF8560 | $10.40 | $9.80 |

### Provia 1600 Professional RSP (ISO 1600)

Extremely fast transparency film yields natural color and good highlight-to-shadow gray balance. Ideal for action sports or extreme aperture stop-down for depth of field.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RSP 135-36 | FF5021 | $12.99 | $12.49 |

### Fujichrome Duplicating Film CDUII (3200K)

Makes high quality duplicate transparencies with tungsten lighting. Improved emulsion for excellent gray balance.

| Film Format (qty) | Item | Each |
|---|---|---|
| CDU 135 x 100' | FF5041 | $48.99 |
| CDU 4x5 (50) | FF5045 | $79.99 |
| CDU 8x10 (50) | FF5081 | $304.95 |

## Agfachrome

### RSXII

This daylight balanced transparency film produces excellent sharpness, reduced grain and improved color reproduction.

### RSX 50II (ISO 50)

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RSX 50 135-36 exp. | AG01105 | $6.45 | $6.25 |
| RSX 50 120 | AG01120 | $3.83 | $3.68 |

### RSX 100II (ISO 100)

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| RSX 100 135-36 exp. | AG01110 | $7.50 | $7.25 |
| RSX 100 135x100' | AG01165 | $70.99 | — |
| RSX 100 120 | AG01125 | $4.44 | $4.28 |

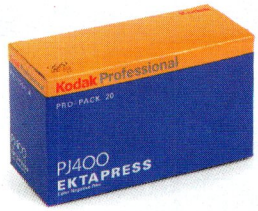
| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| RSX 100 4 x 5 (50) | AG01155 | $72.19 | 10 @ $67.69 |
| RSX 100 8 x 10 (10) | AG01160 | $59.49 | 10 @ $55.79 |

### RSX 200II (ISO 200)

| Film Type | Item | Each | 20 Pc. |
|---|---|---|---|
| RSX 200 135-36 exp. | AG01115 | $7.85 | $7.55 |
| RSX 200 120 | AG01130 | $4.57 | $4.29 |

# Kodak Color Negative Film




## Kodak Professional Portra Films

This new family of color negative films shares breakthrough Unified Film Emulsion technology. Portra films offer two levels of color saturation in two film speeds. They allow matched prints across speeds and formats, and provide the finest results, even with hard-to-reproduce colors. Labs can operate with one film balance for Portra Films, allowing single-channel analyzing and printing.

### Portra 160NC Film

This medium-speed film is ideal for smooth, natural flesh tones in controlled lighting situations.

| Film Format | Item | Each | Qty. Price |
|---|---|---|---|
| 160NC 135-8 Pro-pack (10) | KP01705 | $16.89 | 20 @ $15.89 |
| 160NC 135-36 | KP01707 | $6.90 | 20 @ $6.50 |
| 160NC 135-36 Pro-pack (5) | KP01709 | $32.49 | 20 @ $30.49 |
| 160NC 135-36 Pro-pack (50) | KP01711 | $292.95 | — |
| 160NC 135x100' | KP01713 | $47.95 | — |
| 160NC 120 | KP01714 | $4.37 | 20 @ $4.12 |
| 160NC 120 Pro-pack (5) | KP01716 | $19.99 | 20 @ $19.29 |
| 160NC 220 Pro-pack (5) | KP01718 | $41.49 | 20 @ $39.29 |
| 160NC 4x5-10 | KP01725 | $19.39 | 20 @ $18.29 |
| 160NC 4x5-50 | KP01727 | $88.99 | 10 @ $83.99 |
| 160NC 8x10-10 | KP01729 | $72.99 | 10 @ $68.99 |

### Portra 160VC Film

160VC delivers rich, vivid colors in controlled lighting situations. Medium speed.

| Film Format | Item | Each | Qty. Price |
|---|---|---|---|
| 160VC 135-36 | KP01732 | $6.90 | 20 @ $6.50 |
| 160VC 135-36 Pro-pack (5) | KP01733 | $32.79 | 20 @ $30.89 |
| 160VC 120 | KP01735 | $4.37 | 20 @ $4.12 |
| 160VC 120 Pro-pack (5) | KP01736 | $20.69 | 20 @ $19.59 |
| 160VC 220 Pro-pack (5) | KP01738 | $41.49 | 20 @ $39.29 |
| 160VC 4x5-10 | KP01741 | $19.39 | 20 @ $18.29 |
| 160VC 4x5-50 | KP01743 | $88.99 | 10 @ $83.99 |
| 160VC 8x10-10 | KP01744 | $72.99 | 10 @ $68.99 |

### Portra 400NC Film

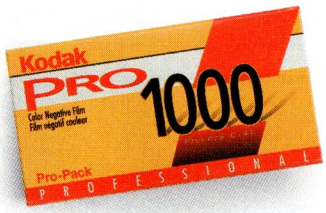
Natural colors and high speed. Use 400NC Film for smooth, natural flesh tones and on-camera flash.

| Film Format | Item | Each | Qty. Price |
|---|---|---|---|
| 400NC 135-36 | KP01750 | $7.25 | 20 @ $6.85 |
| 400NC 135-36 Pro-pack (5) | KP01751 | $33.49 | 20 @ $31.99 |
| 400NC 135x100' | KP01754 | $50.99 | — |
| 400NC 120 | KP01756 | $4.57 | 20 @ $4.31 |
| 400NC 120 Pro-pack (5) | KP01757 | $21.69 | 20 @ $20.49 |
| 400NC 220 Pro-pack (5) | KP01759 | $43.59 | 20 @ $41.19 |
| 400NC 4x5-10 | KP01761 | $22.19 | 20 @ $20.89 |
| 400NC 8x10-10 | KP01764 | $83.89 | 10 @ $79.19 |

### Portra 400VC Film

High-speed film for vivid colors on location.

| Film Format | Item | Each | 20 Pc. |
|---|---|---|---|
| 400VC 135-36 | KP01768 | $7.25 | $6.85 |
| 400VC 135-36 Pro-pack (5) | KP01769 | $34.49 | $32.49 |
| 400VC 120 Pro-pack (5) | KP01772 | $21.69 | $20.49 |
| 400VC 220 Pro-pack (5) | KP01775 | $43.59 | $41.19 |
| 400VC 120 Pro-pack (5) | KP01772 | $21.69 | $20.49 |




## Pro 1000 Film/PMZ

Perfect for wedding and portrait applications, this film delivers excellent color and exceptional image quality for its speed. Good performance in mixed lighting.

| Type/Format | Speed (ISO) | Item | Each | Qty. Price |
|---|---|---|---|---|
| PMZ 135-36 Pro-pack (5) | 100 | KP01137 | $37.59 | 4 @ $35.49 |
| PMZ 120 Pro-pack (5) | 100 | KP01140 | $23.39 | 4 @ $22.09 |
| PMZ 220 Pro-pack (5) | 100 | KP01143 | $46.69 | 4 @ $44.09 |




## Royal Gold Roll Films

Premium daylight film with excellent sharpness and rich color saturation. The finest grain at any speed.

| Film Format | Speed (ISO) | Item | Each | 20 Pc. |
|---|---|---|---|---|
| RA 135-24 exp. | 100 | KP01670 | $4.40 | $4.15 |
| RA 135-36 exp. | 100 | KP01671 | $5.75 | $5.45 |
| RB 135-24 exp. | 200 | KP01673 | $5.15 | $4.85 |
| RB 135-36 exp. | 200 | KP01674 | $6.55 | $6.20 |
| RC 135-24 exp. | 400 | KP01675 | $5.55 | $5.25 |
| RC 135-36 exp. | 400 | KP01676 | $7.15 | $6.80 |
| RF 135-24 exp. | 1000 | KP01678 | $6.90 | $6.55 |

## Gold Roll Films

**GA:** Medium speed, incorporates the latest improvements to give rich, fine grain images. **GB:** Fast film, very good color accuracy, fine grain, and reasonable emulsion speed. **GC:** High speed, excellent balance of grain, contrast, sharpness and speed. **GT Max:** Very high speed, self-adjusting for virtually any conditions.

| Film Format | Speed (ISO) | Item | Each | 20 Pc. |
|---|---|---|---|---|
| GA 135-12 exp. | 100 | KP01628 | $3.05 | $2.85 |
| GA 135-24 exp. | 100 | KP01629 | $4.05 | $3.80 |
| GA 135-36 exp. | 100 | KP01631 | $4.99 | $4.79 |
| GB 135-12 exp. | 200 | KP01367 | $3.55 | $3.35 |
| GB 135-24 exp. | 200 | KP01633 | $4.75 | $4.45 |
| GB 135-36 exp. | 200 | KP01635 | $6.05 | $5.70 |
| GC 135-12 exp. | 400 | KP01636 | $3.85 | $3.60 |
| GC 135-24 exp. | 400 | KP01637 | $5.10 | $4.80 |
| GC 135-36 exp. | 400 | KP01639 | $6.55 | $6.20 |
| GT125-24 exp. | 800 | KP01650 | $5.25 | $4.95 |
| GT125-36 exp. | 800 | KP01651 | $6.75 | $6.35 |

## Professional Ektapress Roll Films

Great location films with excellent sharpness, rich accurate colors and wide exposure latitude. **PJ100:** Fine grain sharpness with excellent highlight detail. **PJ400:** General-purpose film with push-process performance to EI 1600. **PJ800:** High speed film with excellent shadow detail and push-process performance to EI 3200.

| Roll Format (qty) | Speed (ISO) | Item | Each | 20 Pc. |
|---|---|---|---|---|
| PJ100 135-36 Pro-pack (5) | 100 | KP01510 | $19.89 | 4 @ $18.79 |
| PJ100 135-36 Press-pack (20) | 100 | KP01511 | $71.69 | — |
| PJ400 135-36 Pro-pack (5) | 400 | KP01514 | $20.19 | 4 @ $19.09 |
| PJ400 135-36 Press pack (20) | 400 | KP01515 | $72.99 | — |
| PJ800 135-36 Pro-pack (5) | 800 | KP01518 | $21.79 | 4 @ $20.59 |
| PJ800 135-36 Press-pack (20) | 800 | KP01519 | $78.69 | — |

## Pro 100T Film PRT

Replaces Vericolor II Pro, Type L/VPL. Offers improved reciprocity performance and image structure. Tungsten-balanced with excellent reciprocity characteristics for exposure times of 1/1000 to 120 seconds. Allows for high degree of enlargement.

| Roll Format (qty) | Speed (ISO) | Item | Each | Qty. Pricing |
|---|---|---|---|---|
| PRT 120 PP5 Pro-pack (5) | 100 | KP01213 | $20.79 | 4 @ $19.69 |

| Sheet Format (qty) | Speed (ISO) | Item | Each | Qty. Price |
|---|---|---|---|---|
| PRT 4x5 (10) | 100 | KP01120 | $20.99 | 20 @ $19.79 |
| PRT 4x5 (50) | 100 | KP01122 | $96.19 | 10 @ $90.79 |
| PRT 5x7 (10) | 100 | KP01123 | $35.89 | 20 @ $33.89 |
| PRT 8x10 (10) | 100 | KP01124 | $78.99 | 10 @ $74.49 |

## Kodak Discontinues Vericolor III

The overwhelming majority of professional wedding, portrait and commercial photographers have judged the family of Kodak professional Portra color negative films to be superior to Kodak Vericolor III at meeting their needs. As a result, Kodak Vericolor III Professional film has been discontinued. For assistance, please call the Kodak Information Center at 1-800-242-2424 ext. 19.




## 4325/5325 Commercial Internegative Film

For making color internegatives from transparencies without supplementary masking.

| Type/Format (qty) | Speed (ISO) | Item | Each | Qty. Price |
|---|---|---|---|---|
| 4325/4x5 (10) | — | KP00750 | $20.49 | 20 @ $19.39 |
| 4325/4x5 (50) | — | KP00751 | $94.39 | 10 @ $88.89 |
| 4325/8x10 (10) | — | KP00753 | $77.19 | 10 @ $72.69 |
| 4325/8x10 (50) | — | KP00754 | $362.95 | 5 @ $341.95 |
| 5325/135x100' | — | KP00745 | $96.99 | — |

# Color Negative Film

## Fujicolor




### Reala 100 CS (ISO 100 Daylight)

Unlike other negative films, Reala films build in extra cyan sensitivity with a unique fourth dye layer to render colors with extreme accuracy and richness.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| CS 135-24 | FF5089 | $4.20 | $3.95 |
| CS 135-36 | FF5085 | $5.35 | $5.05 |

### Super G 100 CN (ISO 100 Daylight)

This medium speed daylight negative film yields excellent color reproduction with fine grain.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| CN 135-24 | FF9124 | $3.45 | $3.25 |
| CN 135-36 | FF9136 | $4.49 | — |
| CN 135-36 Press -pack (20) | FF5088 | $72.99 | — |
| CN 120 | FF9120 | $3.39 | $3.20 |

### Professional 160 NPS (ISO 160 Daylight)

This professional color negative film is optimized for exposures of 1/15 second and less. Well suited to portrait and commercial work requiring high quality prints.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| NPS 135-36 | FF6100 | $5.49 | $6.10 |
| NPS 120 Pro-pack (5) | FF6110 | $16.99 | — |
| NPS 220 Pro-pack (5) | FF6115 | $33.99 | — |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| NPS 4 x 5 (10) | FF6125 | $18.69 | 20 @ $17.59 |
| NPS 4 x 5 (50) | FF6130 | $85.99 | 10 @ $80.99 |
| NPS 8 x 10 (10) | FF6135 | $70.39 | 10 @ $66.19 |

### Professional 160 NPL (ISO 160 Tungsten 3200°)

NPL is specially formulated for long exposures (1/30 to 1 second). Yields full tonal range with high sharpness. Ideal for tungsten-lit portrait and commercial photography.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| NPL 120 Pro-pack (5) | FF6145 | $19.99 | 4 @ $18.89 |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| NPL 4 x 5 (10) | FF6150 | $18.99 | 20 @ $17.99 |
| NPL 4 x 5 (50) | FF6155 | $87.79 | 10 @ $82.49 |
| NPL 8 x 10 (10) | FF6160 | $71.19 | 10 @ $67.49 |

### Super G 200 CA (ISO 200 Daylight)

A medium-fast daylight negative film, Super G 200 provides excellent image sharpness and rich color.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| CA 135-24 | FF9224 | $3.85 | $3.60 |
| CA 135-36 | FF9236 | $4.99 | — |
| CA 135-36 Press-pack (20) | FF5086 | $73.99 | — |

### Professional 400 NPH (ISO 400 Daylight)

Specially tailored for weddings and portraits. Delivers extremely smooth, natural skin tones, with slightly lower contrast and color saturation than NHG. True ISO 400 speed offers exceptional latitude. Same fine grain and color balance as NPS film family.

| Roll Format (qty) | Item | Each |
|---|---|---|
| NPH 135-36 | FF6520 | $5.89 |
| NPH 120 Pro-pack (5) | FF6522 | $18.69 |
| NPH 220 Pro-pack (5) | FF6524 | $37.49 |

### Super G 400 CH (ISO 400 Daylight)

This fast daylight film yields good color balance and image sharpness, even on poorly illuminated subjects.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| CH 135-24 | FF9424 | $3.89 | $3.65 |
| CH 135-36 | FF9436 | $5.05 | — |
| CH 135-36 Press-pack (20) | FF5087 | $75.29 | — |

### Professional 800 NHGII (ISO 800 Daylight)

Features the fine grain and pleasing color saturation of an ISO 400 film with the advantages of ISO 800. Provides excellent versatility for a wide range of lighting conditions.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| NHGII 135-36 Pro-pack (5) | FF6503 | $35.79 | 4 @ $33.79 |
| NHGII 120 Pro-pack (5) | FF6505 | $22.59 | 4 @ $21.39 |
| NHGII 220 Pro-pack (5) | FF6507 | $45.79 | 4 @ $43.19 |

### Super G 800 CZ (ISO 800 Daylight)

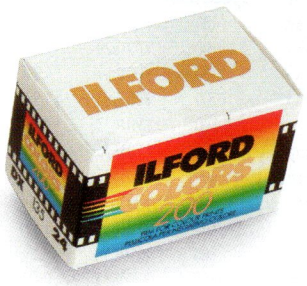
This very high speed daylight balanced film is formulated especially for press pros. Produces excellent results from full sun to deep shade.

| Roll Format (qty) | Item | Each |
|---|---|---|
| CZ 135-36 | FF6605 | $4.95 |
| CZ 135-36 Press-pack (20) | FF6600 | $73.99 |

### Super HG 1600 CU (ISO 1600 Daylight)

This extremely high speed daylight color negative film is ideal for stopping action in fast-paced sports, or for indoor existing-light photos.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| CU 135-24 | FF9324 | $6.00 | $5.65 |
| CU 135-36 | FF9336 | $7.65 | — |
| CU 135-36 Press-pack (20) | FF6610 | $132.95 | — |




## Agfacolor

### Agfacolor TRIADE Creative Film System

Features three color negative films – Ultra, Optima, and Portrait – to allow the photographer to select the degreeof color saturation desired. **Ultra** yields the highest level of saturation and contrast providing dramatic color. **Optima** produces natural color levels along with very fine grain making it an excellent all-purpose film in three speeds. **Portrait** is designed for weddings and portraiture or where a softer, more pastel rendition is appropriate. Compatible with Kodak Process C-41.

#### Triade Ultra (ISO 50)

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Ultra 135-24 exp. | AG00083 | $3.99 | $3.82 |
| Ultra 135-36 exp. | AG00084 | $4.82 | $4.62 |
| Ultra 120 | AG00086 | $3.90 | $3.69 |

#### Triade Optima 100 (ISO 100)

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Optima 135-24 exp. | AG01200 | $3.49 | $3.36 |
| Optima 135-36 exp. | AG01205 | $4.59 | $4.41 |
| Optima 120 | AG01210 | $3.19 | — |
| Optima 120 Pro-pack (5) | AG01215 | $15.79 | 4 @ $15.19 |
| Optima 120 (50) | AG01220 | $146.95 | — |
| **Sheet Format (qty)** | **Item** | **Each** | **Qty. Price** |
| Optima 4 x 5 (10) | AG01225 | $14.69 | 10 @ $14.19 |
| Optima 4 x 5 (50) | AG01230 | $67.59 | 10 @ $64.99 |
| Optima 8 x 10 (10) | AG01235 | $55.29 | 10 @ $53.09 |

#### Triade Optima 200 (ISO 200)

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Optima 135-24 exp. | AG00040 | $3.85 | $3.66 |
| Optima 135-36 exp. | AG00041 | $5.25 | $5.05 |
| Optima 120 | AG00042 | $3.19 | $3.03 |

#### Triade Optima 400 (ISO 400)

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Optima 135-24 exp. | AG00050 | $4.43 | $4.26 |
| Optima 135-36 exp. | AG00051 | $5.10 | $4.90 |
| Optima 120 | AG00052 | $3.19 | $3.03 |
| Optima 220 Pro-pack (5) | AG00053 | $31.49 | 4 @ $30.29 |

#### Triade Portrait (ISO 160)

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Portrait 135-24 exp. | AG00102 | $3.63 | $3.49 |
| Portrait 135-36 exp. | AG00104 | $4.96 | $4.77 |
| Portrait 120 | AG00106 | $3.19 | — |
| Portrait 120 Pro-pack (5) | AG00108 | $15.79 | 4 @ $15.19 |

## Ilford

### Ilford's First Color Negative Film

This long-awaited color print film from Ilford provides dramatic color through its high level of saturation and contrast. Available in three speeds.

#### Ilford Colors

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Colors 100 135-24 | IL0920 | $3.40 | $3.15 |
| Colors 100 135-36 | IL0923 | $4.30 | $4.05 |
| Colors 200 135-24 | IL0926 | $3.80 | $3.55 |
| Colors 200 135-36 | IL0929 | $4.75 | $4.45 |
| Colors 400 135-24 | IL0932 | $4.25 | $4.00 |
| Colors 400 135-36 | IL0935 | $5.20 | $4.85 |

# Guide to ISO Ratings and B&W Chemicals

## Black and White Chemical Overview

The following is a general overview of black and white developers and fixers for your reference. These groupings represent product similarities, but do not imply that products are equivalent. Since every film is different, always consult the directions before processing.

## Film Developers

### The Standards

Full film speed, excellent shadow detail, normal contrast and fine grain.

- Kodak D-76
- Kodak DK-50
- Kodak XTOL
- Ilford ID-11
- Ilford Ilfosol-S
- Edwal FG7
- Agfa Rodinal
- Zone VI Film Developer

### For T-Grain Films

Specifically formulated for tabular grain films, like Kodak T-Max.

- Kodak T-Max
- Kodak T-Max RS

### The Rapid Liquids

Highly versatile liquid in concentrated form. Covers a wide variety of films. Designed for rapid development of most films.

- Kodak HC-110
- Ilford Ilfotec HC

### For Super Fine Grain

Finest quality grain with some speed loss.

- Kodak Microdol-X
- Kodak Technidol LC
- Ilford Perceptol
- Ethol UFG

### For Push-Processing

Fine grain, high-energy developers ideal for push-processing.

- Ilford Microphen
- Acufine
- Kodak T-Max
- Ethol TEC

### High Contrast

For high contrast and litho film development

- Kodalith Super RT
- Kodak D-11
- Kodak D-19

### A/B Two Bath Developers

These two part formulas handle a variety of b&w films--all in one batch!

- Diafine
- Oriental AB-55

## Paper Developers

### The Standards

For neutral or cold papers. Resin-coated or fiber base. High capacity, uniform development

- Kodak Dektol
- Kodak Polymax T
- Iford Universal Paper
- Ethol LPD
- Edwal "G"
- Agfa Neutol Plus

### The Premiums

Premium quality with superb results with all types of papers.

- Zone VI Paper Developer
- Ilford Bromophen
- Edwal TST
- Edwal Ultra-Black

### For Warm Tones

The following developers render warm image tone

- Kodak Selectol Soft
- Kodak Ektaflo Type II
- Afga Neutol WA
- Edwal Ultra-Black*
- Edwal TST*
- Ethol LPD*

### For Variable Contrast

Liquid developer primarily specifically recommened for variable contrast papers

- Ilford Multigrade
- Agfa Multicontrast

## Fixers

### Hardening

Hardeners are typically used for film fixing to strengthen emulsion.

- Kodak Rapid Fix**
- Kodak Fixer
- Kodak Kodafix
- Kodak PolyMax T Fixer
- Edwal Quick-Fix**
- Heico NH-5**
- Zone VI Print/Film Fixer

### Non-Hardening

Non-hardening fixers for film & paper.

- Ilford Universal Rapid
- Ilford Multigrade
- Edwal High-Speed Fix
- Zone VI Plain Hypo

## Color Negative Films by ISO Rating

Can't find the right negative film? Take a look at these. They're sorted by ISO speed rating. We've provided information such as manufacturer's code, ISO, color balance, format and contrast. Of course contrast may be considered subjective. Since every situation is different, we suggest you test a new film before you begin critical work.

| Film Name | Code | ISO | Daylight/ Tungsten | Contrast | Sizes Available |
|---|---|---|---|---|---|
| Agfa Triade Ultra 50 Professional | Ultra | 50 | ☼ | High | 135, 120 |
| Kodak Pro 100T | PRT | 100 | ☼ | High | 120, Sheet |
| Kodak Royal Gold 100 | RA | 100 | ☼ | High | 135 |
| Kodak Gold 100 | GA | 100 | ☼ | High | 135 |
| Kodak Professional Ektapress 100 | PJ100 | 100 | ☼ | High | 135 |
| Kodak Professional Portra | 160NC | 160 | ☼ | Normal | 135, 120, 220, sheet |
| Kodak Professional Portra | 160VC | 160 | ☼ | High | 135, 120, 220, sheet |
| Kodak Professional Portra | 400NC | 400 | ☼ | Normal | 135, 120, 220, sheet |
| Kodak Professional Portra | 400VC | 400 | ☼ | High | 135, 120, 220 |
| Fujicolor Super G 100 | CN | 100 | ☼ | Normal | 135, 120 |
| Fujicolor Reala 100 | CS | 100 | ☼ | High | 135 |
| Afga Triade Optima 100 Professional | Optima | 100 | ☼ | Normal | 135, 120, Sheet |
| Ilford Colors 100 | | 100 | ☼ | Medium | 135 |
| Fujicolor NPS 160 Professional | NPS | 160 | ☼ | Low | 135, 120, 220, Sheet |
| Fujicolor NPL 160 Professional | NPL | 160 | ☼ | Low | 120, Sheet |
| Agfa Triade Portrait 160 Professional | Portrait | 160 | ☼ | Low | 135, 120 |
| Kodak Royal Gold 200 | RB | 200 | ☼ | High | 135 |
| Kodak Gold 200 | GB | 200 | ☼ | High | 135 |
| Fujicolor Super G 200 | CA | 200 | ☼ | Normal | 135 |
| Agfa Triade Optima 200 Professional | Optima | 200 | ☼ | Normal | 135, 120 |
| Ilford Colors 200 | | 200 | ☼ | Medium | 135 |
| Kodak Professional Ektapress 400 | PJ400 | 400 | ☼ | Normal | 135 |
| Kodak Royal Gold 400 | RC | 400 | ☼ | High | 135 |
| Kodak Gold 400 | GC | 400 | ☼ | Normal | 135 |
| Fujicolor NPH 400 Professional | NPH | 400 | ☼ | Normal | 135, 120, 220 |
| Fujicolor Super G 400 | CH | 400 | ☼ | Normal | 135 |
| Agfa Triade Optima 400 Professional | Optima | 400 | ☼ | Normal | 135, 120, 220 |
| Ilford Colors 400 | | 400 | ☼ | Medium | 135 |
| Kodak Professional Ektapress 800 | PJ800 | 800 | ☼ | Normal | 135 |
| Kodak Gold Max | GT | 800 | ☼ | Normal | 135 |
| Fujicolor NHGII 800 Professional | NHGII | 800 | ☼ | High | 135, 120, 220 |
| Fujicolor Super G 800 | CZ | 800 | ☼ | Normal | 135 |
| Kodak Royal Gold 1000 | RF | 1000 | ☼ | High | 135 |
| Kodak Pro 1000 | PMZ | 1000 | ☼ | Normal | 135, 120, 220 |
| Fujicolor Super G 1600 | CU | 1600 | ☼ | Normal | 135 |

☼=Daylight ☼ =Tungsten




** Image tone controlled through dilution.*

*** Separate hardening agent may be added/omitted when mixing.*

## Polaroid B&W Film

**Type 51 HC Polapan**
A versatile redesign of the old Type 51 that features a medium speed, high contrast positive and a low speed, medium contrast reusable negative. Recommended speeds: Positive: ISO 320 @ 5500K and ISO 200 @ 3200K. Negative: ISO 50 @ 5500K and ISO 32 at 3200K. (30 second dev. time)

**Type 56 Sepia 4x5**
Perfect for creating old fashioned portrait photos! Medium contrast with a yellow to brownish warm image color. Coaterless emulsion will transfer with special techniques. (ISO 200, 30 sec. dev. time)

**Types 52/552 Polapan**
Medium contrast, b&w panchromatic print film with a long tonal range and very fine grain. Excellent exposure and development latitude. (ISO 400, 15 sec. dev. time)

**Types 53/553/803**
A medium-high speed coaterless film that produces higher contrast images than Polapan Type 52/552 film, yet exhibits comparable detail. Features clean whites and lustrous surface texture. (ISO 800, 30 sec. dev. time)

**Types 664/54/554/804 Polapan Pro 100**
This coaterless film provides average to above average contrast with open shadows and extended tonal separation of highlights. For proofing images when using conventional ISO 100 films. (ISO 100, 30 sec. dev. time)

**Types 672/72/572 Polapan Pro 400**
A medium contrast film with a broad tonal range and fine grain. A coaterless version of Type 52 film. Also available in new pack film size. (ISO 400, 45 sec. dev. time)

**Types 55/665 Positive/Negative**
Produces panchromatic b&w print and a developed negative - without a darkroom. Requires clearing in a sulfite solution. (ISO 50, 30 sec. dev. time)

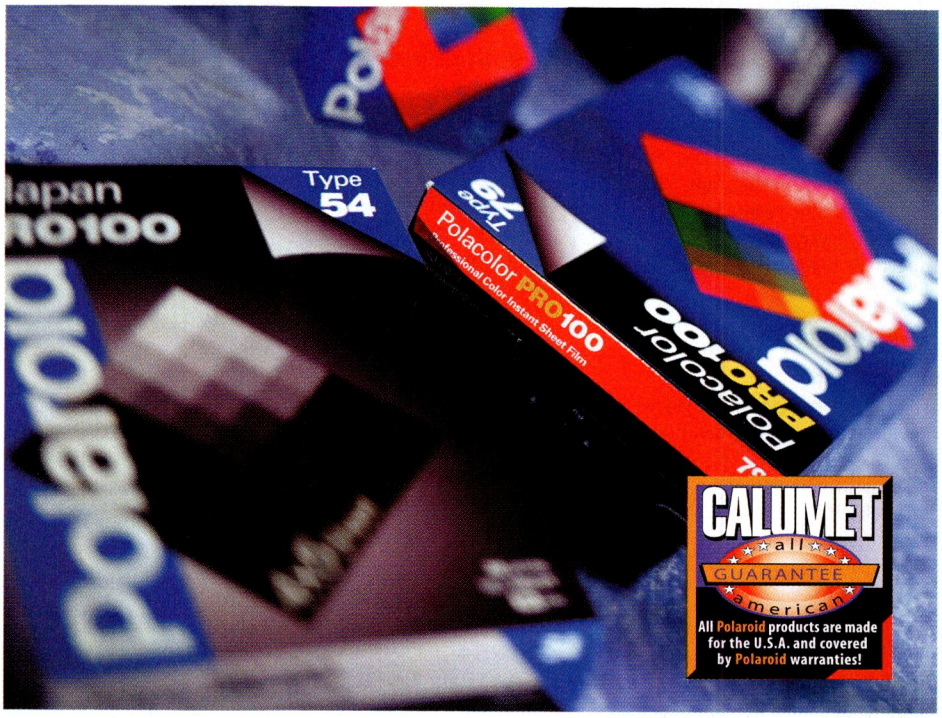
**Type 667**
This high-speed, panchromatic coaterless film is designed for maximum image quality and minimum sensitometric variation. (ISO 3000, 30 sec. dev. time)

**Type 57**
High-speed, panchromatic b&w film requires coating for maximum permanence. (ISO 3000, 15 sec. dev. time)

**Type 331 Professional Integral Autofilm**
Self-developing b&w 4 x 3" format film is designed specifically for documentation from scientific and computer imaging equipment. (ISO 200, self-timing)

**Type 337 Professional Integral Autofilm**
Self-developing 4 x 3" format film for high speed, medium contrast black & white prints with extended range. (ISO 3200, self-timing)

**Type 338 600 B&W Integral Film**
Self-developing 3⅛ x 3⅛" format film for general purpose, high speed, medium contrast black & white prints. (ISO 600, self-timing)




## Polaroid Color Film

**Type 64T Polacolor**
Available in pack and 4x5 sheet film. Tungsten-balanced (3200°K) print film. (ISO 64T, 90 sec. dev. time)

**Types 59/559/669/809 Polacolor ER**
Daylight balanced with extended range to control high-contrast scenes. (ISO 80, 60 sec. dev. time)

**Types 79/679 Polacolor Pro 100**
Color fidelity without exaggeration and increased sharpness. (ISO 100, 90 sec. dev. time)

**Type 689 ProVivid**
Brilliant saturation, clean whites and deep blacks. Daylight balanced. 10-frame packs. (ISO 100, 90 sec. dev.)

**Type 339 Professional Integral Autofilm**
Self-developing color 4 x 3" format film for documentation from computer imaging equipment. (ISO 640, self-timing)

**Type 600 AlterImage Integral Film**
Self-developing 3⅛ x 3⅛" format film with drawable matte finish allowing you to write or draw on photos. (ISO 600, self-timing)

**Write On 600 Twin Pack**
This color instant film has a special matte finish so you can write directly on the photo with a pen, pencil crayon or marker. If you make a mistake, you can even erase your pencil marks. Documenting sites and sets has never been easier.

**NotePad 600 Twin Pack**
NotePad features sharp definition, detailed resolution and bright, bold and accurate colors. This film is also perfect for scanning because the written notations scan as sharply as the developed photograph. Ideal for incorporating images into e-mail, desktop publications and web pages.

**Copy&Fax B&W 600 Twin Packs**
This new black and white film features a special built-in half-tone screen that doesn't "plug up" on the copy or fax machine. This film is ideal for fast "position only" images for layouts and comps that will be photocopied or faxed to your clients. Also perfect for real estate and law enforcement applications.

**Type 600 Integral Film**
Self-developing 3⅛ x 3⅛" format film for high speed, medium contrast, high definition color prints. Features glossy surface. (ISO 640, self-timing)

**Spectra Integral Film**
Self-developing 3⅝ x 2⅞" format film for high speed, medium contrast instant color prints. Features glossy surface. (ISO 640, self-timing)

## Polaroid 35mm Instant Film

Can be used in any 35mm camera and developed in either the manual or automatic Polaroid 35mm processor.

**Polapan CT**
B&W continuous tone slide film. (ISO 125, 2 minute dev. time)

**Polagraph HC**
B&W slide film for line art. (ISO 400, 2 minute dev. time)

**Polachrome CS**
Medium contrast color slide film. (ISO 40, 2 minute dev. time)

**Polachrome High Contrast**
High contrast color slide film. (ISO 40, 2 minute dev. time)

**PolaBlue BN**
High contrast white on blue title slide. (ISO 8, 4 minute dev. time)

# Polaroid Film




## 35mm Instant Film

| Description | Item | Each | Qty. Price |
|---|---|---|---|
| **Polapan CT** | | | |
| Polapan CT 35mm (12-exp. roll) | PS1117 | $13.79 | 60 @ $12.49 |
| Polapan CT 35mm (36-exp. roll) | PS1100 | $20.49 | 60 @ $18.99 |
| **Polagraph HC** | | | |
| Polagraph HC 35mm (12-exp. roll) | PS1105 | $13.79 | 60 @ $12.49 |
| **Polachrome CS** | | | |
| Polachrome CS 35mm (12-exp. roll) | PS1110 | $14.29 | 60 @ $12.99 |
| Polachrome CS 35mm (36-exp. roll) | PS1115 | $21.49 | 60 @ $19.59 |
| **Polachrome High Contrast** | | | |
| Polachrome HCP 35mm (12-exp. roll) | PS1107 | $16.29 | 60 @ $14.79 |
| **PolaBlue BN** | | | |
| PolaBlue BN 35mm (12-exp. roll) | PS1120 | $16.29 | 60 @ $14.79 |

## Integral Film

| Description | Item | Each | Qty. Price |
|---|---|---|---|
| Type Captiva (10-exp. pack) | PS1025 | $13.99 | 60 @ $12.49 |
| Type Spectra (10-exp. pack) | PS1000 | $13.49 | 60 @ $11.99 |
| Type Spectra twin (2 10-exp. packs) | PS1005 | $22.49 | 30 @ $20.99 |
| Type 600+ (10-exp. pack) | PS1020 | $13.49 | 60 @ $11.99 |
| Type 600+ twin (2 10-exp. packs) | PS1021 | $22.49 | 30 @ $20.99 |
| Type 338 B&W 600 (10-exp. pack) | PS1030 | $13.49 | 10 @ $11.99 |
| Type 600 AlterImage (10-exp. pack) | PS1035 | $13.99 | 10 @ $12.49 |
| Type 600 Copy/Fax B&W (2 10-exp. pk) | PS1034 | $23.95 | 10 @ $21.95 |
| Type 600 Write-On (2 10-exp. pk) | PS1038 | $23.95 | 10 @ $21.95 |
| Type 600 Note Pad (2 10-exp. pk) | PS1040 | $23.95 | 10 @ $21.95 |
| Type TimeZero (10-exp. pack) | PS1010 | $13.99 | 10 @ $12.49 |
| Type TimeZero twin (2 10-exp. packs) | PS1011 | $23.95 | 30 @ $21.95 |
| Type 339 twin (2 10-exp. packs) | PS3339 | $29.49 | 30 @ $26.49 |
| Type 331 twin (2 10-exp. packs) | PS3331 | $22.99 | 30 @ $20.99 |
| Type 337 twin (2 10-exp. packs) | PS3337 | $23.99 | 30 @ $21.95 |
| Colorshot Spectre (3 10-exp. packs) | PS1060 | $23.95 | 20 @ $21.95 |

## 8 x 10 B&W and Color Film

### B&W for Polaroid 8 x 10 film holders

| Description | Item | Each | Qty. Price |
|---|---|---|---|
| Type 803 (15-exp. box) | PS8810 | $139.95 | 3 @ $129.95 |
| Type 804 (15-exp. box) | PS8804 | $139.95 | 3 @ $129.95 |

### Color for Polaroid 8 x 10 film holders

| Description | Item | Each |
|---|---|---|
| Type 809 (15-exp. box) | PS8800 | $139.95 |
| Type 809 Bulk (45-exp. box) | PS8805 | $374.95 |

BUY MORE & SAVE MORE $$$$

## Pack B&W and Color Film

### B&W for 405 type film holders

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 664 (2 10-exp. packs) | PS71105 | $19.99 | 25 @ $18.49 |
| Type 665 (8-exp. pack) | PS7130 | $8.99 | 50 @ $8.29 |
| Type 667 (10-exp. pack) | PS7121 | $9.79 | 50 @ $9.29 |
| Type 667 (2 10-exp. packs) | PS71225 | $17.99 | 25 @ $16.79 |
| Type 672 (2 10-exp. packs) | PS7111 | $20.99 | 25 @ $19.99 |

### Color for 405 type film holders

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 64T (2 10-exp. packs) | PS71155 | $28.99 | 25 @ $26.99 |
| Type 669 (2 10-exp. packs) | PS7113 | $27.49 | 25 @ $25.49 |
| Type 679 (2 10-exp. packs) | PS71145 | $28.49 | 25 @ $26.49 |
| Type 689 (10-exp. pack) | PS7116 | $14.99 | 60 @ $13.99 |

## 4 x 5 B&W Film

### For 545 type film holders (545, 545i, 545 Pro)

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 51 HC (20-exp. box) | PS7518 | $47.49 | 10 @ $44.49 |
| Type 56 (20-exp. box) | PS7542 | $48.49 | $45.49 |
| Type 52 (20-exp. box) | PS7520 | $42.99 | — |
| Type 52 Bulk (10 20-exp. boxes) | PS7521 | — | $369.95 |
| Type 72 (20-exp. box) | PS75205 | $42.99 | — |
| Type 72 Bulk (10 20-exp. boxes) | PS75215 | — | $369.95 |
| Type 53 (20-exp. box) | PS7524 | $44.99 | — |
| Type 53 Bulk (10 20-exp. boxes) | PS7526 | — | $385.95 |
| Type 54 (20-exp. box) | PS7527 | $42.49 | — |
| Type 54 100 Bulk (10 20-exp. boxes) | PS7533 | — | $378.95 |
| Type 55 (20-exp. box) | PS7530 | $43.49 | — |
| Type 55 Bulk (10 20-exp. boxes) | PS7534 | — | $378.95 |
| Type 57 (20-exp. box) | PS7540 | $44.99 | 10 @ $41.99 |

### For 550 type film holders

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 553 (10-exp. pack) | PS6022 | $23.49 | 30 @ $21.49 |
| Type 554 (10-exp. pack) | PS6010 | $21.99 | 30 @ $19.99 |
| Type 572 (10-exp. pack) | PS6016 | $23.49 | — |
| Type 572 Bulk (30 10-exp. packs) | PS6019 | — | $599.95 |

## 4 x 5 Color Film

### For 545 type film holders (545, 545i, 545 Pro)

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 59 (20-exp. box) | PS7551 | $63.49 | — |
| Type 59 Bulk (10 20-exp. boxes) | PS7555 | — | $553.95 |
| Type 64T (20-exp. box) | PS7547 | $63.49 | — |
| Type 64T Bulk (10 20-exp. boxes) | PS7512 | — | $553.95 |
| Type 79 (20-exp. box) | PS7560 | $62.49 | — |
| Type 79 Bulk (10 20-exp. boxes) | PS7561 | — | $553.95 |

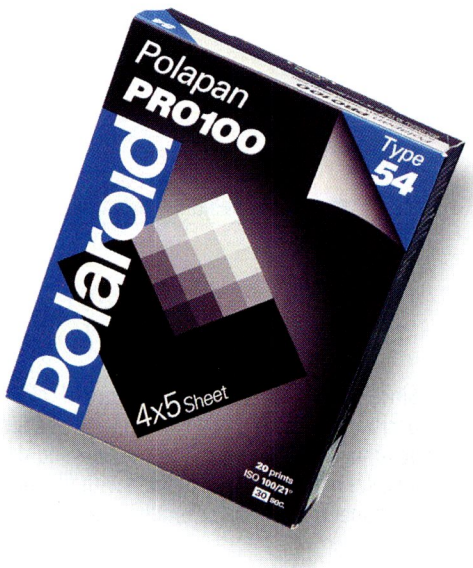
### For 550 type film holders

| Description | Item | Each | Qty Price |
|---|---|---|---|
| Type 559 (10-exp. pack) | PS6025 | $33.49 | — |
| Type 559 Bulk (30 10-exp. packs) | PS6028 | — | $879.95 |




## Conserve Resources. Buy Polaroid in Bulk!

If you shoot a lot of Polaroid film, you know how the boxes can accumulate. Well, now you can buy Polaroid film in bulk, and spare yourself a lot of the packaging. Instead of getting each foil pack in its own cardboard box with instructions, you'll get multiple packs all in one box, with just one instruction sheet. It's almost too good to be true: conserve resources, and save money at the same time! Just look for the word *Bulk* in the description.






## Ektacolor RA Papers

These RA chemistry compatible papers offer dry-to-dry processing in only 4 minutes! Now available in three types: **Portra** – optimized for portraits, **Supra** – for medium contrast work, and **Ultra** – for high contrast applications. All are available in luster (E), glossy (F) and semi-matte (N) surfaces. Call for additional sizes and quantities.




### Ektacolor RA Portra

| Size | Sheets | (E) Luster | (F) Glossy | (N) Semi-Matte | Price |
|---|---|---|---|---|---|
| 8 x 10 | 25 | — | KP50001 | KP50002 | $8.95 |
| 8 x 10 | 100 | KP50003 | KP50004 | KP50005 | $30.95 |
| 8 1/2 x 11 | 50 | — | KP50006 | KP50007 | $20.95 |
| 11 x 14 | 10 | — | KP50009 | KP50010 | $7.49 |
| 11 x 14 | 50 | KP50011 | KP50012 | KP50013 | $30.49 |
| 16 x 20 | 10 | — | KP50014 | KP50015 | $15.49 |
| 16 x 20 | 50 | KP50016 | KP50017 | KP50018 | $62.95 |
| 20 x 24 | 50 | KP50019 | KP50020 | KP50021 | $94.95 |

### Ektacolor RA Supra

| Size | Sheets | (E) Luster | (F) Glossy | (N) Semi-Matte | Price |
|---|---|---|---|---|---|
| 5 x 7 | 100 | — | KP50065 | KP50066 | $16.95 |
| 8 x 10 | 25 | — | KP50071 | KP50072 | $8.95 |
| 8 x 10 | 100 | KP50073 | KP50074 | KP50075 | $30.95 |
| 8 1/2 x 11 | 50 | — | KP50076 | KP50077 | $20.95 |
| 11 x 14 | 10 | — | KP50079 | KP50080 | $7.49 |
| 11 x 14 | 50 | KP50081 | KP50082 | KP50083 | $30.49 |
| 14 x 17 | 50 | — | — | KP50084 | $46.95 |
| 16 x 20 | 10 | — | KP50085 | KP50086 | $15.49 |
| 16 x 20 | 50 | KP50087 | KP50088 | KP50089 | $62.95 |
| 20 x 24 | 10 | — | KP50090 | KP50091 | $22.49 |
| 20 x 24 | 50 | KP50097 | KP50092 | KP50093 | $94.95 |
| 30 x 40 | 10 | — | KP50095 | KP50094 | $53.95 |

### Ektacolor RA Ultra

| Size | Sheets | (E) Luster | (F) Glossy | (N) Semi-Matte | Price |
|---|---|---|---|---|---|
| 8 x 10 | 25 | — | KP50166 | KP50167 | $ 8.95 |
| 8 x 10 | 100 | KP50168 | KP50169 | KP50170 | $30.95 |
| 8 1/2 x 11 | 50 | — | KP50171 | KP50172 | $20.95 |
| 11 x 14 | 10 | — | KP50174 | KP50175 | $ 7.49 |
| 11 x 14 | 50 | KP50176 | KP50177 | KP50178 | $30.49 |
| 16 x 20 | 10 | — | KP50180 | KP50181 | $15.49 |
| 16 x 20 | 50 | KP50182 | KP50183 | KP50184 | $62.95 |
| 20 x 24 | 10 | — | KP50185 | KP50186 | $22.49 |
| 20 x 24 | 50 | — | KP50187 | KP50188 | $94.95 |

## Ektachrome Radiance Paper

Reversal color print material on resin coated, water resistant paper base. Yields color prints from positive color transparencies such as Kodachrome, Ektachrome, etc. Can also be used for print-to-print applications. Available in glossy and semi-matte surfaces. Uses R-3000 chemicals.

| Size | Sheets | (F) Glossy | (N) Semi-Matte | Price |
|---|---|---|---|---|
| 8 x 10 | 25 | KP47700 | KP47701 | $19.99 |
| 8 x 10 | 100 | KP47710 | KP47711 | $74.99 |
| 11 x 14 | 50 | KP47720 | KP47721 | $73.49 |
| 16 x 20 | 50 | KP47730 | KP47731 | $149.95 |

## Ektamax RA Professional Paper

This new b&w printing paper is designed to be processed in color RA-4 chemistry. Similar to Panalure, it yields a neutral tone image print from a color negative. Available with a glossy surface in a Medium contrast grade.

### Ektamax RA Professional /Medium

| Size | Sheets | (F) Glossy | Price |
|---|---|---|---|
| 5 x 7 | 100 | KP64500 | $30.99 |
| 8 x 10 | 100 | KP64505 | $65.49 |
| 11 x 14 | 50 | KP64515 | $63.79 |
| 16 x 20 | 50 | KP64520 | $123.95 |



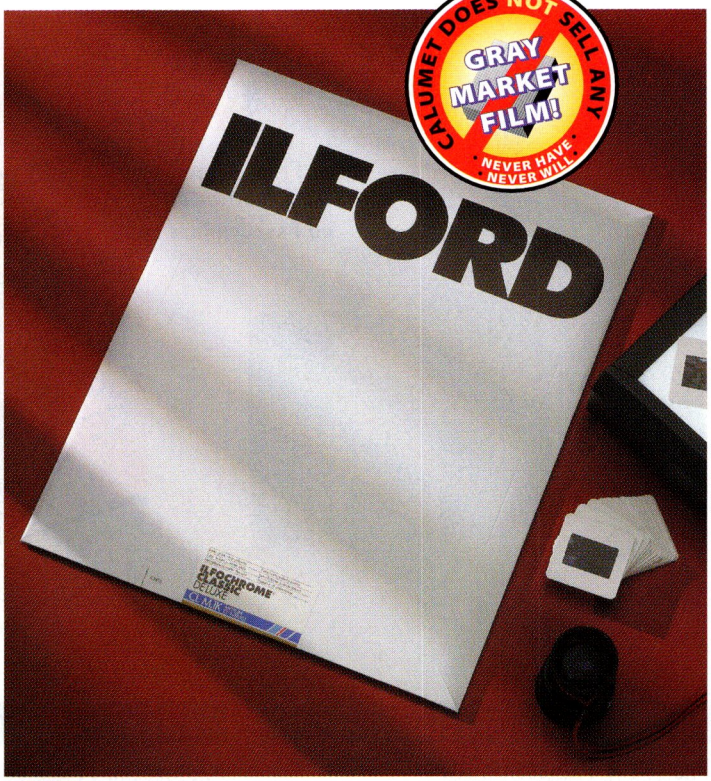

Kodak PRO Products Network

## CALUMET CARES ABOUT COLOR CONSISTENCY

Since we understand the importance of color consistency in your work, all orders received for two or more packages of the same type and size of color material will be fulfilled with film or paper from the same emulsion batch.

# Color Paper




## Fuji

### Fujicolor Crystal Archive Professional Paper Type C (RA4)

Offers exceptional stability, brilliant colors, high saturation and pure whites. Available in glossy and matte.

| Size | Sheets | Surface | Item | Price |
|---|---|---|---|---|
| 8 x 10 | 100 | Glossy | FF11010 | $28.59 |
| 8 x 10 | 100 | Matte | FF11012 | $28.59 |
| 8.5 x 11 | 100 | Glossy | FF11014 | $34.79 |
| 8.5 x 11 | 100 | Matte | FF11015 | $34.79 |
| 11 x 14 | 100 | Glossy | FF11016 | $55.99 |
| 11 x 14 | 100 | Matte | FF11018 | $55.99 |
| 16 x 20 | 50 | Glossy | FF11020 | $56.99 |
| 16 x 20 | 50 | Matte | FF11022 | $56.99 |
| 20 x 24 | 50 | Glossy | FF11024 | $84.99 |
| 20 x 24 | 50 | Matte | FF11026 | $84.99 |

### Fujicolor Crystal Archive Professional Paper Type P (RA4)

Offers reduced contrast for portrait applications. Lustre surface.

| Size | Sheets | Surface | Item | Price |
|---|---|---|---|---|
| 8 x 10 | 100 | Glossy | FF12025 | $28.59 |
| 8 x 10 | 100 | Matte | FF12040 | $28.59 |
| 8 x 10 | 100 | Lustre | FF12010 | $28.59 |
| 8.5 x 11 | 100 | Lustre | FF12012 | $34.79 |
| 11 x 14 | 100 | Glossy | FF12028 | $55.99 |
| 11 x 14 | 100 | Matte | FF12043 | $55.99 |
| 11 x 14 | 100 | Lustre | FF12014 | $55.99 |
| 16 x 20 | 50 | Glossy | FF12031 | $56.99 |
| 16 x 20 | 50 | Matte | FF12046 | $56.99 |
| 16 x 20 | 50 | Lustre | FF12016 | $56.99 |
| 20 x 24 | 50 | Glossy | FF12034 | $84.99 |
| 20 x 24 | 50 | Matte | FF12049 | $84.99 |
| 20 x 24 | 50 | Lustre | FF12018 | $84.99 |

### Fujicolor Crystal Archive Fujiflex Super-Gloss (RA4)

White polyester base provides unmatched surface gloss and flatness for prints from color negatives.

| Size | Sheets | Surface | Item | Price |
|---|---|---|---|---|
| 8 x 10 | 100 | Super-Gloss | FF10110 | $105.95 |
| 11 x 14 | 100 | Super-Gloss | FF10112 | $207.95 |
| 16 x 20 | 50 | Super-Gloss | FF10114 | $225.95 |
| 20 x 24 | 50 | Super-Gloss | FF10116 | $336.95 |

### Fujichrome Crystal Archive Type 35 (R3)

Color reversal paper for making prints from color transparencies.

| Size | Sheets | Surface | Item | Price |
|---|---|---|---|---|
| 8 x 10 | 100 | Glossy | FF10140 | $64.95 |
| 8 x 10 | 100 | Matte | FF10142 | $64.95 |
| 11 x 14 | 50 | Glossy | FF10143 | $63.49 |
| 11 x 14 | 50 | Matte | FF10145 | $63.49 |
| 16 x 20 | 50 | Glossy | FF10148 | $129.95 |
| 16 x 20 | 50 | Matte | FF10150 | $129.95 |

### Fujichrome Crystal Archive Super-Gloss (R3)

Color reversal material on a white polyester base for printing color transparencies. Unmatched surface gloss and lies perfectly flat.

| Size | Sheets | Surface | Item | Price |
|---|---|---|---|---|
| 8 x 10 | 100 | Super-Gloss | FF10190 | $115.95 |
| 11 x 14 | 100 | Super-Gloss | FF10192 | $224.95 |
| 16 x 20 | 50 | Super-Gloss | FF10194 | $249.95 |
| 20 x 24 | 50 | Super-Gloss | FF10196 | $349.95 |

## Ilford

### Ilfochrome Classic Print Materials

This color print medium is designed for producing prints directly from original transparencies, and processed in Ilfochrome Process P3 or P30 chemistry. Simplified processing offers four 3-minute steps. Also features outstanding dye stability for maximum permanence.

### Ilfochrome Classic Deluxe Glossy CLM.1K

Features high gloss surface and polyester base.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | IL41210 | $55.59 |
| 11 x 14 | 25 | IL41410 | $96.19 |
| 11 x 14 | 50 | IL41415 | $187.95 |
| 16 x 20 | 10 | IL41600 | $86.39 |

### Ilfochrome Classic R.C. Glossy CPM.1M

Features glossy surface and resin-coated paper base.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | IL51620 | $25.69 |
| 8 x 10 | 100 | IL51630 | $80.69 |
| 11 x 14 | 25 | IL51635 | $44.19 |
| 11 x 14 | 50 | IL51640 | $78.69 |
| 16 x 20 | 10 | IL51645 | $38.39 |
| 16 x 20 | 50 | IL51650 | $161.95 |

### Ilfochrome Classic R.C. Pearl CPM.44M

High luster pearl surface and resin-coated paper base.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | IL51225 | $25.69 |
| 8 x 10 | 100 | IL41710 | $80.69 |
| 11 x 14 | 25 | IL51401 | $44.19 |
| 11 x 14 | 50 | IL51420 | $78.69 |
| 16 x 20 | 10 | IL51600 | $38.39 |
| 16 x 20 | 50 | IL51605 | $161.95 |

### Ilfochrome Classic Deluxe Professional CPS.1K

Normal contrast print material on a polyester base.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 100 | IL41700 | $183.95 |
| 11 x 14 | 50 | IL41804 | $177.95 |
| 16 x 20 | 50 | IL41806 | $396.95 |

### Ilfochrome Classic Deluxe Professional CF.1K

Low contrast print material on a polyester base.

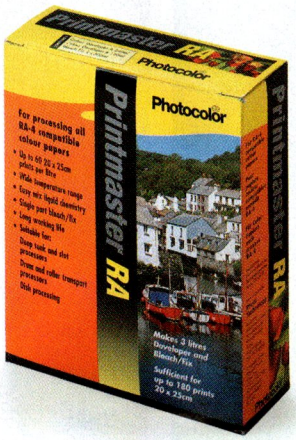
| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 100 | IL41820 | $183.95 |
| 11 x 14 | 50 | IL41824 | $177.95 |
| 16 x 20 | 50 | IL41705 | $396.95 |

# Color Chemicals




DON'T FORGET!

All Film, Paper, & Chemicals are NON-RETURNABLE




## Jobo/Tetenal

### Pro RA-4 Processing Kit

Requires temperature control from 86° to 100°.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| RA-4 Kit | 5 liters | JB4113 | $42.49 |

### RA-4 Processing Kit

All the advantages of RA-4 at room temperature: 61° to 77°.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| RA-4 Kit | 1 liter | JB4110 | $15.95 |
| RA-4 Kit | 2.5 liters | JB4111 | $31.95 |

### Color Negative Processing

| Description | Makes | Item No. | Price |
|---|---|---|---|
| Mono C-41 Kit (liquid) | 1 liter | JB4100 | $27.95 |
| C-41 Press Kit (powder) | 1 liter | JB4102 | $16.95 |
| C-41 Rapid Kit | 2.5 liters | JB4104 | $39.95 |
| C-41 5 Liter Kit | 5 liters | JB4106 | $54.95 |
| C-41 13.5 Liter Kit | 13.5 liters | JB4108 | $118.95 |

### Slide Film Processing

| Description | Makes | Item No. | Price |
|---|---|---|---|
| E-6 3-Bath Kit | 500 ml | JB4129 | $16.49 |
| E-6 3-Bath Kit | 1 liters | JB4120 | $24.95 |
| E-6 3-Bath Kit | 5 liters | JB4122 | $81.95 |
| E-6 3-Bath Kit | 15 liters | JB4124 | $198.95 |
| E-6 6-Bath Kit | 5 liters | JB4130 | $81.95 |
| E-6 6-Bath Kit | 15 liters | JB4132 | $198.95 |

## Ilford

### Ilfochrome Classic Chemicals

For all Ilfochrome Classic print materials.

| | | | | |
|---|---|---|---|---|
| P-30 Liquid Chemistry Kit | 2 liters | IL0131 | ↯ | $41.19 |

## Photo Technology

### Photocolor FP

Processes C-41 film and RA-4 paper. Just change development times.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| Photocolor FP Kit (RA-4 and C-41) | 1.5 liters | LZ0620 | $24.59 |
| Photocolor FP Dev. only (RA-4 and C-41) | 6 liters | LZ0625 | $32.79 |

### Photocolor II

Two-solution process for C-41 color film. Use with Universal Bleach Fix II.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| Photocolor II Negative only (Dev. only) | 6 liters | LZ0630 | $31.59 |

### Chrome-Six E-6 Processing Kits and Chemicals

Three bath convenience for slide processing.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| Chrome-Six Kit | 600ml | LZ0660 | $18.99 |
| Chrome-Six Kit | 1.2 liters | LZ0663 | $32.79 |
| Chrome-Six (1st and color dev. only) | 5 liters | LZ0666 | $65.39 |
| Chrome-Six (1st and color dev. only) | 15 liters | LZ0669 ↯ | $161.95 |

### Universal Bleach Fix II

A single solution concentrate for Photocolor FP and Chrome-Six 3-bath.

| Description | Makes | Item No. | Price |
|---|---|---|---|
| Universal Bleach Fix II | 5 liters | LZ0645 | $27.29 |
| Universal Bleach Fix II | 15 liters | LZ0650 | $65.49 |

↯ **Items marked with this symbol** are subject to certain shipping restrictions. Ask for details when placing your order. Liquid chemicals are shipped separately from other merchandise and do not qualify for our standard shipping rates.

## Kodak

### Process C-41 (Flexicolor) Chemicals

| Description | Makes | Item No. | Price |
|---|---|---|---|
| C-41 Developer | 1 gal. | KP02840 ↯ | $12.49 |
| C-41 Developer | 3½ gal. | KP02842 ↯ | $25.95 |
| C-41 Developer Replenisher | 5 gal. | KP02846 ↯ | $32.49 |
| C-41 Bleach III | 1 gal. | KP02869 ↯ | $30.95 |
| C-41 Bleach III Replenisher | 5 gal. | KP02880 | $107.95 |
| C-41 Fixer and Replenisher | 1 gal. | KP02852 | $5.49 |
| C-41 Fixer and Replenisher | 5 gal. | KP02854 | $9.49 |
| C-41 Stabilizer and Replenisher | 1 gal. | KP02856 | $8.49 |

### Process E-6 Chemicals

| Description | Makes | Item No. | Price |
|---|---|---|---|
| E-6 Processing Kit | 1 gal. | KP02079 ↯ | $71.95 |
| E-6 First Developer | 1 gal. | KP02500 | $8.70 |
| E-6 Reversal Bath | 1 gal. | KP02515 | $5.60 |
| E-6 Color Developer | 1 gal. | KP02600 ↯ | $16.29 |
| E-6 Pre-Bleach | 1 gal. | KP02651 | $8.05 |
| E-6 Bleach | 1 gal. | KP02545 ↯ | $33.89 |
| E-6 Fixer | 1 gal. | KP02555 | $4.86 |
| E-6 Final Rinse | 1 gal. | KP02670 | $3.62 |
| E-6 First Developer Replenisher | 10 liters | KP02502 | $22.95 |
| E-6 Reversal Bath and Replenisher | 10 liters | KP02517 | $7.49 |
| E-6 Color Developer Replenisher | 10 liters | KP02522 ↯ | $29.95 |
| E-6 Pre-Bleach and Replenisher | 10 liters | KP02647 | $10.95 |
| E-6 Bleach Replenisher | 10 liters | KP02547 ↯ | $132.95 |
| E-6 Fixer and Replenisher | 10 liters | KP02557 | $9.95 |
| E-6 Final Rinse and Replenisher | 10 liters | KP02672 | $3.49 |
| E-6 First Developer Replenisher | 5 gal. | KP02505 | $31.19 |
| E-6 Reversal Bath and Replenisher | 5 gal. | KP02520 | $10.69 |
| E-6 Color Developer Replenisher | 5 gal. | KP02525 ↯ | $41.49 |
| E-6 Pre-Bleach II and Replenisher | 5 gal. | KP02650 ↯ | $14.89 |
| E-6 Fixer and Replenisher | 5 gal. | KP02560 | $13.99 |
| E-6 Final Rinse and Replenisher | 5 gal. | KP02652 | $4.90 |

### Process E-6AR Chemicals

| Description | Makes | Item No. | Price |
|---|---|---|---|
| E-6AR First Developer Replenisher | 25 gal. | KP02044 | $129.95 |
| E-6AR Reversal Bath and Replenisher | 100 gal. | KP02046 | $106.95 |
| E-6AR Color Developer Replenisher Part A | 12½ gal. | KP02040 ↯ | $65.79 |
| E-6AR Color Developer Replenisher Part B | 12½ gal. | KP02042 | $102.95 |
| E-6AR Pre-Bleach and Replenisher | 50 gal. | KP02659 ↯ | $93.79 |
| E-6AR Bleach Replenisher | 5 gal. | KP02050 ↯ | $177.95 |
| E-6AR Fixer and Replenisher | 50 gal. | KP02052 | $42.69 |
| E-6AR Final Rinse and Replenisher | 320 gal. | KP02661 | $32.79 |
| E-6 First Developer Starter | starts 25 gal. | KP02510 | $5.80 |
| E-6 Color Developer Starter | starts 25 gal. | KP02530 ↯ | $5.80 |
| E-6 Bleach Starter | starts 25 gal. | KP02550 | $22.59 |

### Ektacolor RA Chemicals

| Description | Makes | Item No. | Price |
|---|---|---|---|
| RA Developer | 1 gal. | KP04065 ↯ | $15.95 |
| RA Prime Developer Replenisher | 10 liters | KP03993 ↯ | $24.95 |
| RA RT Developer Replenisher | 10 liters | KP04043 ↯ | $22.49 |
| RA Developer Starter | starts 95 liters | KP04040 | $10.49 |
| RA Bleach-Fix | 1 gal. | KP04067 | $17.49 |
| RA Bleach-Fix and Replenisher | 10 liters | KP04045 ↯ | $22.49 |
| RA Prime Bleach-Fix Replenisher | 10 liters | KP03997 | $38.95 |
| RA Prime Stabilizer and Replenisher | 5 liters | KP04060 | $6.95 |

### Ektachrome R-3000 Chemicals

| Description | Makes | Item No. | Price |
|---|---|---|---|
| R-3000 First Developer | 1 gal. | KP02900 | $9.95 |
| R-3000 Color Developer | 1 gal. | KP02905 ↯ | $18.95 |
| R-3000 Bleach-Fix | 1 gal. | KP02910 | $24.49 |

## Ilford

### Ilford Pan F Plus (ISO 50)

Pan F Plus features ultra fine grain plus excellent image definition and tonal range.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Pan F Plus 135-36 exp. | IL0802 | $3.19 | $2.99 |
| Pan F Plus 135 x 100' | IL0809 | $26.99 | — |
| Pan F Plus 120 | IL0805 | $2.49 | $2.35 |

### Ilford FP4 Plus (ISO 125)

FP4 is a fine-grain, medium contrast panchromatic film which offers high acutance and a wide exposure latitude. When given standard development it has a speed rating of ISO 125 to daylight.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| FP4 Plus 135-24 exp. | IL0449 | $2.29 | $2.15 |
| FP4 Plus 135-36 exp. | IL0451 | $3.19 | $2.99 |
| FP4 Plus 135 x 100' | IL0454 | $26.99 | — |
| FP4 Plus 120 | IL0460 | $2.49 | $2.35 |
| FP4 Plus 120 Pro-pack (5) | IL0462 | $12.89 | 4 @ $12.19 |
| FP4 Plus 220 Pro-pack (5) | IL0464 | $25.99 | 4 @ $24.39 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| FP4 Plus 4 x 5 (25) | IL0220 | $16.49 | 20 @ $15.59 |
| FP4 Plus 4 x 5 (100) | IL0221 | $63.09 | 10 @ $59.59 |
| FP4 Plus 5 x 7 (25) | IL0212 | $26.49 | — |
| FP4 Plus 8 x 10 (25) | IL0201 | $54.29 | 10 @ $51.39 |

### Ilford HP5 Plus (ISO 400)

HP5 is a fast b&w panchromatic film with great versatility.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| HP5 Plus 135-24 exp. | IL0399 | $2.29 | $2.15 |
| HP5 Plus 135-36 exp. | IL0605 | $3.09 | $2.89 |
| HP5 Plus 135-36 exp. (50) | IL0604 | $139.95 | — |
| HP5 Plus 135 x 100' | IL0612 | $28.99 | — |
| HP5 Plus 120 | IL0504 | $2.39 | $2.29 |
| HP5 Plus 220 Pro-pack (5) | IL0506 | $25.99 | 4 @ $24.39 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| HP5 Plus 21/4 x 31/4 (25) | IL0402 | $13.39 | 20 @ $12.69 |
| HP5 Plus 4 x 5 (25) | IL0230 | $16.49 | 20 @ $15.59 |
| HP5 Plus 4 x 5 (100) | IL0231 | $63.09 | 10 @ $59.59 |
| HP5 Plus 5 x 7 (25) | IL0210 | $26.49 | — |
| HP5 Plus 8 x 10 (25) | IL0202 | $54.29 | 10 @ $51.39 |

### Ilford 100 Delta (ISO 100)

This medium-speed b&w film incorporates a unique core shell crystal emulsion that results in extremely fine grain and outstanding sharpness.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Delta 100 135-24 exp. | IL0750 | $2.85 | $2.70 |
| Delta 100 135-36 exp. | IL0751 | $4.15 | $3.95 |
| Delta 100 135 x 100' | IL0752 | $42.49 | — |
| Delta 100 120 | IL0753 | $2.55 | $2.45 |
| Delta 100 120 Pro-pack (5) | IL0754 | $12.75 | 4 @ $12.25 |

| Sheet Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Delta 100 4x5 (25) | IL0755 | $16.69 | 20 @ $15.79 |
| Delta 100 4x5 (100) | IL0756 | $63.99 | 20 @ $60.49 |
| Delta 100 8x10 (25) | IL0757 | $55.09 | 20 @ $52.09 |

### Ilford 400 Delta (ISO 400)

A high speed b&w film incorporating a "core shell crystal" emulsion which results in extremely fine grain and outstanding sharpness.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Delta 400 135-24 exp. | IL0819 | $3.00 | $2.80 |
| Delta 400 135-36 exp. | IL0821 | $4.35 | $4.10 |
| Delta 400 135 x 100' | IL0824 | $44.49 | — |
| Delta 400 120 | IL0830 | $2.70 | $2.60 |
| Delta 400 120 Pro-pack (5) | IL0833 | $13.50 | 4 @ $13.00 |
| Delta 400 220 Pro-pack (5) | IL0836 | $28.69 | 4 @ $27.29 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| Delta 400 4 x 5 (25) | IL0839 | $17.59 | 20 @ $16.69 |
| Delta 400 4 x 5 (100) | IL0842 | $67.39 | 20 @ $63.89 |
| Delta 400 8 x10 (25) | IL0845 | $58.09 | 20 @ $54.99 |

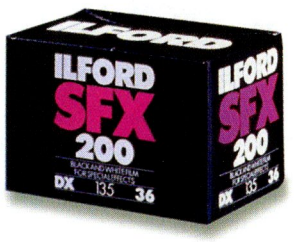
### Ilford Delta Ortho Plus (3200)

A wide contrast latitude orthochromatic film recommended for copying continuous tone originals as well as some line work. ISO 80/daylight, ISO 40 tungsten.

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| Delta 3200 Ortho Plus 4x5 (25) | IL0871 | $14.99 | — |
| Delta 3200 Ortho Plus 8x10 (25) | IL0874 | $47.99 | — |

### Ilford Delta (3200)

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| Delta 3200 135-36 exp. | IL0850 | $4.49 | $4.09 |
| Delta 3200 120 | IL0853 | $2.90 | $2.70 |




### Ilford SFX 200 (ISO 200)

Though not a true infrared film, SFX 200 is an extended red sensitive film. Best results are obtained with #25 or #29 red filter. Does not need to be loaded in total darkness.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| SFX 200 135-36 exp. | IL0880 | $7.30 | $6.80 |
| SFX 200 120 | IL0885 | $4.79 | $4.47 |

### Ilford XP2 (ISO 400)

"Chromogenic" film with silver-free dye image and excellent exposure latitude. Processed in C-41.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| XP2 Super 135-24 exp. | IL0708 | $2.49 | $2.35 |
| XP2 Super 135-36 exp. | IL0711 | $3.39 | $3.19 |
| XP2 Super 35 x 100' | IL0713 | $38.99 | — |
| XP2 Super 120 | IL0712 | $2.49 | $2.35 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| XP2 4x5 (25) | IL0717 | $17.49 | 20 @ $16.59 |
| XP2 4x5 (100) | IL0718 | $67.19 | 20 @ $63.59 |
| XP2 8x10 (25) | IL0720 | $57.89 | 10 @ $54.79 |

## Agfa

### AgfaPan

Agfapan **APX 25** is a slow speed negative film with extraordinarily fine grain. **APX 100**, a medium speed film with excellent resolving power, also has very fine grain, and good processing latitude. Agfapan **APX 400** is a high speed film, ideal for general purpose photography in a variety of light conditions.

### Agfapan APX 25

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| PAN 25 135-36 exp. | AG00401 | $3.23 | $3.10 |
| PAN 25 135 x 50' | AG00288 | $14.79 | — |
| PAN 25 120 | AG00301 | $2.09 | $2.01 |

### Agfapan APX 100

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| PAN 100 135-24 exp. | AG00410 | $2.37 | $2.28 |
| PAN 100 135-36 exp. | AG00411 | $3.23 | $3.10 |
| PAN 100 135 x 100' | AG00290 | $25.99 | — |
| PAN 100 120 | AG00311 | $2.09 | $2.01 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| PAN 100 4 x 5 (25) | AG00110 | $11.39 | 10 @ $10.99 |
| PAN 100 8 x 10 (25) | AG00130 | $37.69 | 10 @ $36.29 |

### Agfapan APX 400

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| PAN 400 135-36 exp. | AG00421 | $3.36 | $3.23 |
| PAN 400 135 x 100' | AG00292 | $28.89 | — |
| PAN 400 120 | AG00321 | $2.19 | $2.10 |

### Agfa Scala 200 Film

This black & white reversal film offers superb sharpness. Must be processed by pro labs offering Scala process. Call for more information.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Scala 200X 135-36 Pro-pack (5) | AG00200 | $45.99 | 4 @ $43.99 |
| Scala 200X120 Pro-pack (5) | AG00201 | $28.49 | 4 @ $26.99 |

| Sheet Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| Scala 200 4x5 (10) | AG00205 | $16.99 | — |

## Konica B&W Infrared

### Konica Infrared 750

An excellent, high speed b&w film, sensitive to the infrared spectrum (750 nanometer). Manufactured only once per year.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Infrared 750 120 | KH6010 | $7.49 | $6.49 |

## Fuji

### Fuji Neopan Professional

These fast panchromatic b&w negative films exhibit very fine grain structure with excellent sharpness and tonal range. Well-suited to push processing.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| Neopan 400 135-36 | FF7001 | $3.99 | $3.75 |
| Neopan 400 135 x 100' | FF7010 | $39.49 | — |
| Neopan 400 120 | FF7002 | $2.59 | $2.43 |
| Neopan 1600 135-36 | FF7030 | $4.49 | — |
| Neopan 1600 135 -36 Pro-pack (20) | FF7033 | — | $82.49 |

## T-Max 100 Professional (ISO 100)

Medium speed film with extremely high sharpness, fine grain and very high resolving power. For general outdoor and studio photography. Allows for a high degree of enlargement and expanded exposure latitude.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| TMX 135-24 exp. | KP00608 | $3.18 | $3.00 |
| TMX 135-36 exp. | KP00606 | $4.40 | $4.20 |
| TMX 135-36 Press-pack (50) | KP00609 | $199.95 | — |
| TMX 135 x 100' | KP00625 | $40.79 | — |
| TMX 120 | KP00601 | $2.95 | — |
| TMX 120 Pro-pack (5) | KP00600 | $13.99 | 4 @ $13.49 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| TMX Readyload 4x5 (10 2-sh/pk) | KP00636 | $40.59 | 20 @ $38.19 |
| TMX 4 x 5 (25) | KP00635 | $20.29 | 20 @ $19.09 |
| TMX 4 x 5 (100) | KP00640 | $77.79 | 10 @ $73.29 |
| TMX 5 x 7 (100) | KP00642 | $122.95 | 10 @ $115.95 |
| TMX 8 x 10 (25) | KP00650 | $66.99 | 10 @ $63.19 |
| TMX 11 x 14 (10) | KP00653 | $54.89 | 10 @ $51.79 |

## Plus-X Pan and Plus-X Pan Professional (ISO 125)

Medium speed panchromatic film with extremely fine grain, moderately high contrast and high resolving power. Especially suited for general-purpose outdoor photography and for studio work.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| PX 135-24 exp. | KP01601 | $3.06 | $2.89 |
| PX 135-36 exp. | KP00311 | $4.32 | $4.08 |
| PX 135 x 100' | KP00450 | $35.19 | — |
| PXP 120 Pro-pack (5) | KP00115 | $15.19 | 4 @ $14.29 |
| PXP 220 Pro-pack (5) | KP00210 | $30.19 | 4 @ $28.49 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| PXP 4 x 5 (25) | KP00018 | $19.99 | 20 @ $18.79 |
| PXP 4 x 5 (100) | KP00020 | $76.69 | 10 @ $72.29 |
| PXP 8 x 10 (25 ) | KP00023 | $65.99 | 10 @ $62.29 |
| PXP 8 x 10 (50) | KP00022 | $130.95 | 5 @ $123.95 |

## Tri-X Pan (ISO 400) and Tri-X Pan Professional (ISO 320)

High speed panchromatic film with fine grain, medium contrast and excellent exposure latitude. All-purpose film for a wide range of subject and lighting conditions. TXP film features retouching surface on both sides and is particularly suited to low-flare interior tungsten or flash lighting.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| TX 135-24 exp. | KP01603 | $3.05 | $2.88 |
| TX 135-36 exp. | KP00321 | $4.19 | $3.99 |
| TX 135-36 Press-pack (50) | KP00331 | $191.95 | — |
| TX 135 x 100' | KP00430 | $37.99 | — |
| TX 120 | KP0130 | $2.69 | $2.59 |
| TXP 120 Pro-pack (5) | KP00120 | $14.99 | 4 @ $14.29 |
| TXP 220 Pro-pack (5) | KP00220 | $30.49 | 4 @ $28.89 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| TXP 2¼ x 3¼ (25) | KP00008 | $15.29 | 20 @ $14.39 |
| TXP 4 x 5 (25) | KP00010 | $20.29 | 20 @ $19.09 |
| TXP 4 x 5 (100) | KP00012 | $77.79 | 10 @ $73.29 |
| TXP 5 x 7 (100) | KP00013 | $122.95 | 10 @ $115.95 |
| TXP 8 x 10 (25) | KP00016 | $66.99 | 10 @ $63.19 |
| TXP 8 x 10 (50) | KP00014 | $132.95 | 5 @ $124.95 |




## T-Max 400 Professional (ISO 400)

High speed, fine grain film useful for low-light situations, fast shutter speeds, extended flash range and good depth of field. Offers a high degree of enlargement and short push-processing development times.

| Roll Format (qty) | Item | Each | 20 Pc. |
|---|---|---|---|
| TMY 135-24 exp. | KP00618 | $3.36 | $3.17 |
| TMY 135-36 exp. | KP00616 | $4.55 | $4.35 |
| TMY 135-36 Press-pack (50) | KP00620 | $208.95 | — |
| TMY 135 x 100' | KP00630 | $41.59 | — |
| TMY 120 | KP00611 | $3.10 | — |
| TMY 120 Pro-pack (5) | KP00610 | $15.29 | 4 @ $14.39 |

| Sheet Format (qty) | Item | Each | Qty. Price |
|---|---|---|---|
| TMY 4 x 5 (25) | KP00660 | $21.29 | 20 @ $19.99 |
| TMY 4 x 5 (100) | KP00665 | $81.79 | 10 @ $76.99 |
| TMY 5 x 7 (100) | KP00670 | $128.95 | 10 @ $120.95 |
| TMY 8 x 10 (25) | KP00675 | $70.39 | 10 @ $66.39 |

## T-Max P3200 Professional (ISO 3200)

Multi-speed panchromatic film with wide exposure latitude and finer grain than most fast black & white films. Usable from E.I. 800 to E.I. 25,000. Recommended for applications such as sports, available light and surveillance.

| Roll Format | Item | Each | 20 Pc. |
|---|---|---|---|
| TMZ 135-36 exp. | KP00680 | $5.40 | $5.10 |
| TMZ 135 x 100' | KP00633 | $99.89 | — |

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## T-MAX T400 CN

Multi-purpose black & white film designed for processing in Process C-41 with color negative films. Can be printed on either black & white papers or color negative papers.

| Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|
| T400CN 135-24 | KP00682 | $3.55 | $3.33 | — | — |
| T400CN 135-36 | KP00685 | $4.75 | $4.55 | — | — |
| T400CN 120 | KP00689 | $3.25 | $3.05 | — | — |
| T400CN 220 Pro-Pk | KP00691 | $32.49 | $30.49 | — | — |
| T400CN 4x5 (10) | KP00692 | $10.59 | $9.95 | — | — |
| T400CN 4x5 (25) | KP00694 | $22.59 | $21.29 | — | — |

## Technical Pan

Outstanding pictorial film also used for scientific, medical, biological and industrial applications. Features medium speed, micro-fine or extremely fine grain (depending on developer used) and extremely high resolving power.

| Film Type (qty) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| TP 135-36 exp. | KP00341 | $8.45 | $7.95 | — | — |
| TP 651 135 x 150' | KP01800 | $67.79 | — | — | — |
| TP 120 | KP00111 | $6.80 | $6.40 | — | — |
| TP 4x5 (25) | KP00031 | $44.19 | — | $41.59 | 20 |

## Verichrome Pan (ISO 125)

Medium speed black & white film with extremely fine grain and excellent exposure latitude. Ideal for all-around picture-taking.

| Film Type (qty) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| VP 120 | KP01219 | $2.55 | $2.40 | — | — |

## Ektapan Film 4162 (ISO 100)

Fine grain panchromatic film with medium resolving power. Features retouching surface on both sides. Particularly suited for flash portraiture and close-up work with electronic flash, and commercial, industrial and scientific use with daylight and tungsten light.

| Sheet Film (qty) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| 4x5 (100) | KP00033 | $80.89 | — | $76.19 | 10 |
| 8x10 (50) | KP00037 | $137.95 | — | $129.95 | 5 |

## Professional B/W Duplicating Film SO-132

Orthochromatic, medium contrast, direct positive film for one-step duplication of black & white continuous tone black & white negatives. Contrast can be manipulated to "save" problem negatives. (Formerly known as SO-339.)

| Sheet Film (qty) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| 4x5 (25) | KP00054 | $40.39 | — | $37.99 | 20 |
| 8x10 (25) | KP00052 | $133.95 | — | $125.95 | 10 |







## Professional Copy Film 4125 (ISO 12)

Fine grain orthochromatic film on Estar thick base with increased highlight contrast for copying black & white continuous-tone originals.

| Sheet Film (qty.) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| 4 x 5 (25) | KP01700 | $27.19 | — | $25.59 | 20 |
| 4 x 5 (100) | KP01702 | $104.95 | — | $98.29 | 10 |
| 8 x 10 (50) | KP00070 | $186.95 | — | $175.95 | 5 |

## High Speed Infrared Film

Fine grain, moderately high contrast film infrared-sensitive to appx. 900 nm. Used for a wide range of applications, including aerial, industrial, legal, scientific, medical and documentary photography as well as pictorials. Filter is necessary for most applications (#25, #87, #87C, or #89). Normal ISO speed values do not apply, though suggested settings are listed on film's technical data sheet. Handle in total darkness.

| Film Type (qty.) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| HIE 135-36 exp. | KP01357 | $10.79 | $9.99 | — | — |
| 4 x 5 (25) | KP00094 | $57.89 | — | $54.49 | 20 |

## Kodalith Ortho Film

Extremely high contrast litho film ideal for making line and halftone negatives and positives for photomechanical reproduction. Extremely wide development latitude. Available in 135-36 as Ektagraphic HC slide film.

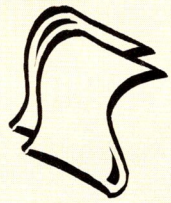
| Film Type (qty.) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| HCS 135-36 Ektagraphic HC | KP00562 | $6.10 | $5.75 | — | — |
| 135 x 100' Type 6556 | KP00560 | $62.99 | — | — | — |
| 4x5 - 100' Type 2556 | KP00041 | $52.59 | — | $49.59 | 10 |
| 5x7 - 100' Type 2556 | KP00042 | $86.95 | — | $82.49 | 6 |
| 8x10 - 100' Type 2556 | KP00043 | $174.95 | — | $163.95 | 6 |

## Precision Line Film LPD-4

Orthochromatic high contrast, projection speed, direct positive duplicating film for making masks, title slides, etc.

| Film Type (qty.) | Item | Each | 20 Pc. | Case Price (ea) | Case Qty |
|---|---|---|---|---|---|
| 135 x 150' Spec 663 | KP01480 | $40.99 | — | — | — |

## Which paper do you choose?



To simplify paper selection, we've compiled the chart at left to compare important characteristics of b&w papers.

**Base:** There are two basic types of enlarging paper: fiber base and resin-coated. Traditional fiber base (FB) sheets are made with a high grade conventional paper base, and resin-coated (RC) papers have a fine plastic coating that protects the underlying paper. Whereas FB papers absorb chemicals during processing, which then need to be rinsed out, RC papers resist liquids. For this reason RC prints (sometimes referred to as RP, meaning resin-protected), require much less wash time and dry time. They also tend not to curl as they dry. This makes RC papers especially well suited for deadline-oriented jobs, and for large volume applications. While FB papers require more attention in the darkroom, they are widely considered the standard for archival and exhibition prints.

**Contrast:** Graded papers are manufactured to specific contrast levels, or grades, from 0 (low) to 5 (high). Multicontrast Papers have high and low contrast properties in every sheet. Contrast is controlled by filtering the light used to expose the paper.

**Tonality:** Every black and white enlarging paper has its own characteristic color cast that is usually referred to as warm (having a brown cast) or cool (having a blue cast). There are two principal components that define it: Image Tone and Base Tone. The image tone refers to the black tones, as seen in shadows, and the base tone refers to the color of the underlying paper, as seen in the highlights. Our descriptions in this chart are based on manufacturers' descriptions, but results can be influenced by the developer and processing method. In addition, you can impart additional tones by adding a toner bath to your process.

**Paper Surfaces:** Paper surfaces fit into three basic categories, Glossy, Semi-Matte (luster/pearl), and Matte surfaces. Glossy surfaces characteristically have a very smooth and reflective surface (more evident in RC papers). This surface is the standard for reproduction and fine art exhibition applications. Semi-Matte surfaces are chosen for portfolio and exhibition requirements, and Matte papers are selected for velvety blacks and hand coloring applications. Developer incorporated papers are usually RC papers and need a very short process time to reach full development of the image tone. They are also used in some roller processors.




| | Resin Coated | Fiber Base | Graded Contrast | Variable Contrast | Single Weight | Medium Weight | Double Weight | Base Tone | Image Tone | Developer Inc. | Surfaces |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Brilliant** | | | | | | | | | | | |
| Brilliant VCFB-III | • | X | • | X | • | • | X | white | neutral | No | Glossy |
| Brilliant Bromide-II | • | X | 2-4 | • | • | • | X | white | neutral | No | Glossy |
| **Oriental** | | | | | | | | | | | |
| Oriental G | • | X | 2-4 | • | • | • | X | white | neutral | No | Glossy |
| Oriental VCFB | X | • | • | X | • | X | • | white | neutral | No | Glossy |
| **Luminos** | | | | | | | | | | | |
| Flexicon VCRC | X | • | • | X | • | X | • | white | neutral | No | Glossy, Semi-Matte, Pearl |
| Flexicon VCFB | • | X | • | X | • | • | X | white | neutral | No | Glossy, Semi-Matte |
| Flexicon VC Warm FB | • | X | • | X | • | • | X | warm | neutral | No | Semi-Matte |
| Charcoal R | • | X | N | • | • | • | X | warm | warm | No | Semi-Matte, Textured |
| Tapestry X | • | X | N | • | • | • | X | warm | warm | No | Semi-Matte, Deeply Textured |
| Photo Linen | • | X | N | • | • | X | • | white | neutral | No | Canvas Linen |
| RCR Art | X | • | 2-3 | • | • | X | • | white | neutral | Yes | Matte with Light Texture |
| Pastels | X | • | N | • | • | X | • | color | neutral | No | Semi-Matte |
| **Kodak** | | | | | | | | | | | |
| Polycontrast III RC | X | • | • | X | • | X | • | white | neutral | Yes | Glossy, Semi-Matte & Lustre |
| PolyMax Fiber | • | X | • | X | X | • | • | white | neutral | No | Glossy, Semi-Matte |
| PolyMax Fine Art | • | X | • | X | • | • | X | white | neutral | No | Glossy, Semi-Matte |
| PolyMax II RC | X | • | • | X | • | X | • | white | neutral | No | Glossy, Semi Matte & Lustre |
| P-Max Art | X | • | 2-3 | • | • | X | • | white | neutral | Yes | Twead Double Matte |
| **Panalure Select RC | X | • | L,M,H | • | • | X | • | white | warm | Yes | Glossy |
| ***Ektamax RA | X | • | M | • | • | X | • | white | neutral | No | Glossy |
| **Agfa** | | | | | | | | | | | |
| Multicontrast Premium | X | • | • | X | • | X | • | white | neutral | No | Glossy, Semi-Matte |
| Multicontrast Classic | • | X | • | X | • | • | X | white | warm | No | Glossy, Semi-Matte |
| Portriga-Rapid | • | X | 2-3 | • | • | • | X | warm | warm | No | Glossy |
| Insignia | • | X | 1-4 | • | • | • | X | white | warm | No | Glossy |
| **Ilford** | | | | | | | | | | | |
| Multigrade IV RC Deluxe | X | • | • | X | • | X | • | white | neutral | No | Glossy, Pearl & Satin |
| Mulitgrade RC Warmtone | X | • | • | X | • | X | • | warm | warm | No | Glossy, Pearl |
| Multigrade IV RC Portfolio | X | • | • | X | • | • | X | white | neutral | No | Glossy, Pearl |
| Multigrade IV FB | • | X | • | X | • | • | X | white | neutral | No | Glossy, Matte |
| Multigrade FB Warmtone | • | X | • | X | • | • | X | warm | warm | No | Glossy, Semi-Matte |
| Ilfobrom Galerie | • | X | 1-4 | • | • | • | X | white | neutral | No | Glossy, Matte |
| **Forte** | | | | | | | | | | | |
| Polygrade V Fiber | • | X | • | X | • | • | X | white | neutral | No | Glossy, Semi-Matte |
| Polywarmtone Plus Fiber | • | X | • | X | • | • | X | white | warm | No | Glossy, Semi-Matte |

** For Contact Printing. ** For Printing Color Negatives. *** For Printing Color Negatives in RA-4 Process. N=Normal*

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# Print Your Best Images in True Exhibition Size



*Photo by Richard Newman printed on Brilliant VCIII*




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## Brilliant VCIII-FB

The new technology of variable contrast papers is allowing photographic printers to produce prints with tonal scales that have never been possible in the past. Brilliant VCIII is leading the charge toward giving printers the ability to produce prints that are rich with deep and expressive blacks and yet maintain delicate details in the whites.

This third generation of Brilliant variable contrast, fiber base paper offers the same neutral image color and smooth surface appearance as its predecessor, but with extended contrast (particularly at the low end), a slightly heavier stock and a slightly faster emulsion. The new VCIII lends itself to modern VC light sources (like the Zone VI Enlarger) or to "split printing" techniques and, of course, accepts selenium toner.

### Brilliant VCIII-FB Glossy (Double Weight)

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | BP4150 | $14.95 |
| 8 x 10 | 100 | BP4160 | $52.95 |
| 11 x 14 | 50 | BP4170 | $49.95 |
| 16 x 20 | 25 | BP4180 | $52.95 |
| 20 x 24 | 50 | BP4190 | $154.95 |

## Brilliant Bromide II

As many fine, respected black & white printers have already discovered, all the great cold-tone, graded papers have not fallen off the face of the earth! Zone VI Brilliant Bromide II has all the beauty and tonality of the gone-but-not-forgotten original Brilliant graded paper, and in just a short time, has established itself as the premier fine-art paper.

Brilliant Bromide II Contrast Graded Double Weight Glossy Exhibition Photographic Enlarging Paper is a cold tone, 100% bromide paper that is rich in silver and long on tonal scale. This double weight, glossy-finish, fiber-based photographic paper is now available in contrast grades #2, #3 and #4. The contrast spacing of Brilliant Bromide II allows the experienced printer a wider range of contrast control through development techniques than is normally available from most graded papers.

The true bromide emulsion produces superb neutral blacks, and a bright base white renders outstanding tonal rendition throughout the reproduction scale. The surface is a standard exhibition gloss capable of reproducing the finest photographic details.

For additional depth and richness, Brilliant Bromide II tones exceptionally well in selenium, producing prints that will leave a lasting impression and that will last a lifetime, and beyond.

### Brilliant Bromide II Glossy (Double Weight)

| Size | Qty. | Grade 2 | Grade 3 | Grade 4 | Price |
|---|---|---|---|---|---|
| 8 x 10 | 25 | BP4305 | BP4310 | BP4315 | $19.95 |
| 8 x 10 | 100 | BP4325 | BP4330 | BP4335 | $61.95 |
| 11 x 14 | 50 | BP4345 | BP4350 | BP4355 | $59.95 |
| 16 x 20 | 25 | BP4365 | BP4370 | BP4375 | $61.95 |
| 20 x 24 | 10 | BP4385 | BP4390 | BP4395 | $47.95 |

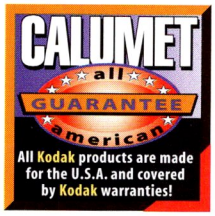
# Kodak B&W Paper

## Variable Contrast

### Polycontrast III RC

Selective contrast resin coated paper with neutral image tone, developer-incorporated emulsion and optical brighteners. Three surfaces: E (fine-grained lustre), F (smooth and glossy), and N (smooth semi-matte).

| Size | Sheets | Lustre (E) | Glossy (F) | Semi-Matte (N) | Price |
|---|---|---|---|---|---|
| 4 x 5 | 500 | – | KP53138 | – | $49.99 |
| 5 x 7 | 25 | KP63139 | KP53139 | – | $6.50 |
| 5 x 7 | 100 | KP63140 | KP53140 | – | $20.19 |
| 5 x 7 | 500 | KP63260 | KP53260 | KP63898 | $79.99 |
| 8 x 10 | 25 | KP63210 | KP53210 | KP63900 | $12.19 |
| 8 x 10 | 100 | KP63240 | KP53240 | KP63902 | $41.39 |
| 8 x 10 | 250 | KP63250 | KP53250 | KP63904 | $88.19 |
| 8½ x 11 | 250 | KP63251 | KP53350 | KP63906 | $107.95 |
| 11 x 14 | 10 | KP63418 | KP53418 | – | $11.29 |
| 11 x 14 | 50 | KP63420 | KP53420 | KP63910 | $40.99 |
| 16 x 20 | 10 | – | KP53520 | – | $22.99 |
| 16 x 20 | 50 | KP63620 | KP53620 | KP63830 | $83.89 |
| 20 x 24 | 50 | KP63820 | KP53820 | KP63840 | $124.95 |




### Polymax Fine-Art

**(Double Weight)**

Replaces Polyfiber double weight. Offers improved highlight and shadow detail, neutral image tone and brightened fiber base. New C surface is a smooth lustre on a warm, creamy white base.

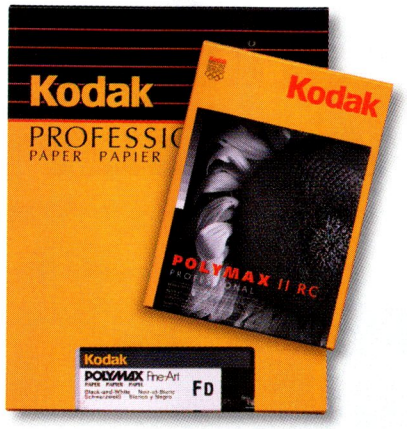
| Size | Sheets | Glossy (F) | Semi-Matte (N) | Smooth Lustre (C) | Price |
|---|---|---|---|---|---|
| 5 x 7 | 100 | KP24220 | – | – | $26.49 |
| 8 x 10 | 25 | KP24230 | – | – | $17.19 |
| 8 x 10 | 100 | KP24235 | KP24237 | KP24236 | $56.89 |
| 8 x 10 | 250 | KP24240 | – | KP24244 | $122.95 |
| 11 x 14 | 10 | KP24250 | – | – | $14.59 |
| 11 x 14 | 50 | KP24255 | KP24257 | KP24256 | $56.49 |
| 16 x 20 | 10 | KP24270 | – | – | $27.89 |
| 16 x 20 | 50 | KP24275 | KP24277 | KP24276 | $114.95 |
| 20 x 24 | 10 | KP24280 | – | KP24282 | $44.69 |
| 20 x 24 | 50 | KP24285 | – | – | $169.95 |

### Polymax Fiber

**(Single Weight)**

Replaces Polyfiber single weight. Offers improved highlight and shadow detail, neutral image tone and brightened fiber base.

| Size | Sheets | Glossy (F) | Semi-Matte (N) | Price |
|---|---|---|---|---|
| 5 x 7 | 100 | KP24110 | – | $20.99 |
| 8 x 10 | 25 | KP24120 | KP24125 | $12.49 |
| 8 x 10 | 100 | KP24135 | KP24140 | $43.49 |
| 8 x 10 | 500 | KP24145 | KP24150 | $189.95 |




### PolyMax II RC

High-speed, selective contrast resin coated paper available in three surfaces: E (fine-grained lustre), F (smooth and glossy), and N (smooth semi-matte) surfaces.

| Size | Sheets | Lustre (E) | Glossy (F) | Semi-Matte (N) | Price |
|---|---|---|---|---|---|
| 4 x 5 | 500 | – | KP52000 | – | $49.99 |
| 5 x 7 | 25 | – | KP52002 | – | $6.50 |
| 5 x 7 | 100 | KP52003 | KP52004 | KP52005 | $20.19 |
| 5 x 7 | 500 | – | KP52007 | – | $79.99 |
| 8 x 10 | 25 | KP52012 | KP52013 | KP52014 | $12.19 |
| 8 x 10 | 100 | KP52016 | KP52017 | KP52018 | $41.39 |
| 8 x 10 | 250 | KP52019 | KP52020 | KP52021 | $88.19 |
| 8½ x 11 | 250 | KP52024 | KP52025 | – | $107.95 |
| 11 x 14 | 10 | KP52028 | KP52029 | – | $11.29 |
| 11 x 14 | 50 | KP52030 | KP52031 | KP52032 | $40.99 |
| 16 x 20 | 10 | – | KP52033 | – | $22.99 |
| 16 x 20 | 50 | KP52034 | KP52035 | KP52036 | $83.89 |
| 20 x 24 | 50 | – | KP52038 | KP52039 | $124.95 |




### Kodak PolyMax Filters

Set of 12 contrast control filters (–1 to 5+).

90mm x 90mm Filter Kit **KF4020 $27.95**

150mm x 150mm Filter Kit **KF4021 $29.95**

Under-lens Slide-in Filter Kit with carrier and storage box **KF4022 $36.95**

## Contrast Graded

### Elite Fine Art

**(Premium Weight, High Luster "S" Surface)**

Neutral image tone and brightened base give Elite Fine-Art Paper exceptional shadows and highlights. Two contrast grades speed-matched for tungsten light sources. (Limited availability. Call for details.)

| Size | Sheets | Grade 2 | Grade 3 | Price |
|---|---|---|---|---|
| 8 x 10 | 25 | KP23212 | KP23213 | $33.99 |
| 8 x 10 | 100 | KP23242 | KP23243 | $107.95 |
| 11 x 14 | 10 | KP23402 | KP23403 | $25.99 |
| 11 x 14 | 50 | KP23422 | KP23423 | $104.95 |
| 16 x 20 | 10 | KP23602 | KP23603 | $52.99 |
| 16 x 20 | 50 | KP23622 | KP23623 | $205.95 |
| 20 x 24 | 10 | KP23802 | KP23803 | $79.99 |

### Panalure Select RC

**(Medium Weight, Glossy "F" Surface)**

Designed for making b&w prints from color negs. Warm image tone, developer-incorporated emulsion, fluorescent brightener and resin-coating. Use L grade for high contrast negatives, M grade for average contrast negatives, and H grade low contrast negatives. Requires #13 safelight filter.

| Size | Sheets | Grade L | Grade M | Grade H | Price |
|---|---|---|---|---|---|
| 5 x 7 | 100 | – | KP12508 | KP12510 | $37.99 |
| 5 x 7 | 500 | – | KP12512 | – | $159.95 |
| 8 x 10 | 25 | KP12516 | KP12518 | KP12520 | $23.99 |
| 8 x 10 | 100 | KP12522 | KP12524 | KP12526 | $82.99 |
| 8 x 10 | 250 | – | KP12530 | – | $179.95 |
| 11 x 14 | 50 | – | KP12538 | – | $79.99 |

### P-Max Art RC

**(Medium Weight)**

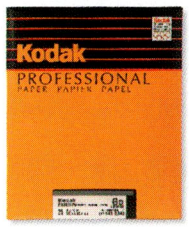
Resin coated paper with double matte surface for hand coloring with oils, pastels and pencils. Fast and easy to use.

| Size | Sheets | Grade 2 | Grade 3 | Price |
|---|---|---|---|---|
| 8 x 10 | 25 | KP18301 | KP18302 | $18.99 |
| 8 x 10 | 100 | KP18315 | KP18320 | $64.49 |
| 11 x 14 | 50 | KP18335 | KP18340 | $61.99 |
| 16 x 20 | 50 | KP18355 | KP18360 | $125.95 |

### Ektalure

**(Double Weight)**

A classic warm-tone portraiture paper with high speed, medium contrast emulsion and cream white fiber base. (Limited availability. Call for details.)




| Size | Sheets | Item Number | Price |
|---|---|---|---|
| 8 x 10 | 25 | KP64100 | $31.99 |
| 8 x 10 | 100 | KP64101 | $105.95 |
| 8 x 10 | 250 | KP64105 | $229.95 |
| 11 x 14 | 10 | KP64120 | $24.99 |
| 11 x 14 | 50 | KP64121 | $99.99 |
| 16 x 20 | 10 | KP64130 | $50.99 |
| 16 x 20 | 50 | KP64131 | $204.95 |
| 20 x 24 | 10 | KP64140 | $75.99 |

## Variable Contrast RC Papers




### Multigrade III RC Rapid

This resin-coated, developer-incorporated, variable-contrast paper produces bright whites, wide contrast and tonal range. It retains the same rich blacks, matched filter system and process compatibility for tray or machine processes.

**Limited availability. Please call for details*

| Size | Sheets | Glossy MGR.1M | Matte MGR.5M | Pearl MGR.44M | Price |
|---|---|---|---|---|---|
| 5 x 7 | 100 | IL71220 | — | IL75145 | $19.59 |
| 5 x 7 | 250 | IL72150 | IL73215 | IL75150 | $42.39 |
| 8 x 10 | 100 | IL71240 | IL73240 | IL75240 | $41.19 |
| 8 x 10 | 250 | IL71250 | IL73250 | IL75250 | $89.49 |
| 8 1/2 x 11 | 50 | IL72049 | — | — | $24.69 |
| 8 1/2 x 11 | 250 | IL72050 | — | — | $107.95 |
| 11 x 14 | 50 | IL71420 | IL73420 | IL75420 | $40.79 |
| 16 x 20 | 50 | IL71620 | IL73620 | IL75620 | $82.99 |

### Multigrade RC Warmtone

This premium-quality, variable contrast RC paper yields extraordinarily rich, warm blacks and creamy whites. Features excellent toning characteristics.

| Size | Sheets | Glossy MGT.1M | Pearl MGT.44M | Price |
|---|---|---|---|---|
| 5 x 7 | 25 | IL63105 | IL63305 | $6.99 |
| 5 x 7 | 100 | IL63110 | IL63310 | $22.49 |
| 8 x 10 | 25 | IL63120 | IL63320 | $13.99 |
| 8 x 10 | 100 | IL63125 | IL63325 | $47.99 |
| 8 x 10 | 250 | IL63130 | IL63330 | $104.95 |
| 8 1/2 x 11 | 50 | IL63135 | IL63335 | $29.99 |
| 11 x 14 | 10 | IL63145 | IL63348 | $11.49 |
| 11 x 14 | 50 | IL63150 | IL63350 | $47.49 |
| 16 x 20 | 10 | IL63160 | IL63360 | $22.99 |
| 16 x 20 | 50 | IL63165 | IL63365 | $97.99 |
| 20 x 24 | 10 | IL63170 | IL63370 | $33.99 |
| 20 x 24 | 50 | IL63175 | IL63375 | $145.95 |

### Multigrade IV RC Deluxe

This paper offers true highlight separation without sacrificing detail in shadow and a wide contrast range. Other features include brighter white base tint, effective split contrast printing and a heavier base for better handling.

| Size | Sheets | Glossy MGD.1M | Satin MGD.25M | Pearl MGD.44M | Price |
|---|---|---|---|---|---|
| 4 x5 | 1000 | IL60100 | — | — | $94.09 |
| 5 x 7 | 25 | IL60105 | IL60300 | IL60200 | $6.00 |
| 5 x 7 | 100 | IL60110 | — | IL60205 | $19.09 |
| 5 x 7 | 250 | IL60115 | — | IL60210 | $41.89 |
| 8 x 10 | 25 | IL60120 | IL60305 | IL60215 | $12.09 |
| 8 x 10 | 100 | IL60125 | IL60310 | IL60220 | $40.09 |
| 8 x 10 | 250 | IL60130 | — | IL60225 | $87.39 |
| 8 1/2 x 11 | 50 | IL60135 | — | — | $24.69 |
| 8 1/2 x 11 | 250 | IL60140 | — | IL60230 | $105.95 |
| 11 x 14 | 10 | IL60145 | IL60315 | IL60235 | $9.90 |
| 11 x 14 | 50 | IL60150 | IL60320 | IL60240 | $40.09 |
| 11 x 14 | 250 | IL60155 | — | IL60245 | $179.95 |
| 16 x 20 | 10 | IL60160 | IL60325 | IL60250 | $20.09 |
| 16 x 20 | 50 | IL60165 | — | IL60255 | $82.19 |
| 20 x 24 | 10 | IL60170 | — | IL60260 | $29.39 |
| 20 x 24 | 50 | IL60175 | — | IL60265 | $123.95 |
| 42x 30m | | IL60195 | — | IL60295 | $249.95 |

### Multigrade IV RC Portfolio (Double Weight)

Distinctive and premium double weight RC paper ideal for prints that will be extensively handled. Offers identical image properties to Multigrade RC Deluxe. The unique postcard size allows custom mailings with actual images.

| Size | Sheets | Glossy MGS.1K | Pearl MGS.44K | Price |
|---|---|---|---|---|
| 4 x 6 (postcard) | 100 | IL80105 | IL80110 | $15.19 |
| 5 x 7 | 100 | IL80115 | IL80120 | $24.59 |
| 8 x 10 | 25 | IL80125 | IL80130 | $15.49 |
| 8 x 10 | 100 | IL80135 | IL80140 | $50.49 |
| 11 x 14 | 10 | IL80145 | IL80150 | $12.39 |
| 11 x 14 | 50 | IL80155 | IL80160 | $50.39 |
| 16 x 20 | 10 | IL80165 | IL80170 | $25.09 |

## Variable Contrast FB Papers

### Multigrade IV FB

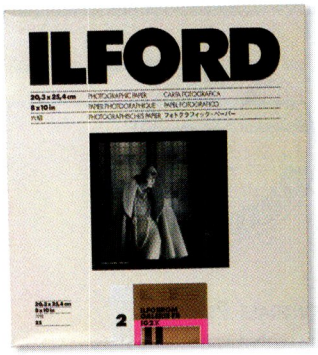
The next generation of the popular VC paper features neutral toned image with deep rich blacks and brightener enhanced whites and a slightly heavier base. A first class variable contrast paper.

| Size | Qty. | Glossy MG.1K | Matte MG.5K | Price |
|---|---|---|---|---|
| 5 x 7 | 100 | IL33105 | IL33110 | $25.69 |
| 8 x 10 | 25 | IL33115 | IL33120 | $16.49 |
| 8 x 10 | 100 | IL33125 | IL33130 | $55.59 |
| 8 x 10 | 250 | IL33135 | — | $122.95 |
| 11 x 14 | 10 | IL33140 | IL33145 | $12.89 |
| 11 x 14 | 50 | IL33150 | IL33155 | $53.49 |
| 11 x 14 | 250 | IL33160 | — | $228.95 |
| 16 x 20 | 10 | IL33165 | IL33170 | $25.69 |
| 16 x 20 | 50 | IL33175 | IL33180 | $109.95 |
| 20 x 24 | 10 | IL33185 | IL33190 | $36.99 |
| 20 x 24 | 50 | IL33195 | — | $164.95 |
| 42" x 30 meters | Roll | IL33200 | IL33205 | $283.95 |

### Multigrade FB Warmtone (Double Weight)

This premium, variable contrast b&w paper has a warm black image tone on a warm white base. Suitable for toning.

| Size | Sheets | Glossy MGW.1K | Semi-Matte MGW.24K | Price |
|---|---|---|---|---|
| 5 x 7 | 100 | IL34105 | IL34110 | $31.19 |
| 8 x 10 | 25 | IL34115 | IL34120 | $19.99 |
| 8 x 10 | 100 | IL34125 | IL34130 | $67.99 |
| 8 x 10 | 250 | IL34135 | IL34137 | $147.95 |
| 11 x 14 | 10 | IL34140 | IL34145 | $15.69 |
| 11 x 14 | 50 | IL34150 | IL34155 | $65.49 |
| 16 x 20 | 10 | IL34165 | IL34170 | $31.79 |
| 16 x 20 | 50 | IL34175 | IL34180 | $133.95 |
| 20 x 24 | 10 | IL34185 | IL34190 | $45.49 |
| 20 x 24 | 50 | IL34195 | IL34197 | $199.95 |




## Contrast Graded

### Galerie FB

Galerie produces an elegant, natural white and neutral black image color, with excellent tonal reproduction. Available in four grades.

**Glossy (Double Weight) IG.1K**

| Size | Sheets | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Price |
|---|---|---|---|---|---|---|
| 8 x 10 | 25 | — | IL11212 | IL11213 | IL11214 | $23.49 |
| 8 x 10 | 100 | IL11241 | IL11242 | IL11243 | IL11244 | $81.29 |
| 11 x 14 | 10 | — | IL11402 | IL11403 | IL11404 | $19.09 |
| 11 x 14 | 50 | IL11421 | IL11422 | IL11423 | IL11426 | $78.39 |
| 16 x 20 | 10 | — | IL11602 | IL11603 | IL11604 | $38.29 |
| 16 x 20 | 50 | — | IL11622 | IL11623 | — | $160.95 |
| 20 x 24 | 10 | — | IL11802 | IL11803 | IL11800 | $57.59 |

**Matte (Double Weight) IG.5K**

| Size | Sheets | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Price |
|---|---|---|---|---|---|---|
| 8 x 10 | 25 | — | IL11201 | IL11202 | — | $23.49 |
| 8 x 10 | 100 | — | IL11251 | IL11252 | — | $81.29 |
| 11 x 14 | 10 | — | IL11406 | IL11407 | — | $19.09 |
| 11 x 14 | 50 | — | IL11425 | IL11424 | — | $78.39 |
| 16 x 20 | 10 | — | IL11605 | IL11606 | — | $38.29 |
| 20 x 24 | 10 | — | IL11804 | IL11805 | — | $57.59 |




### Multigrade Filter Kits

**All kits include 12 filters, #00 – #5 in ½-grade increments.**

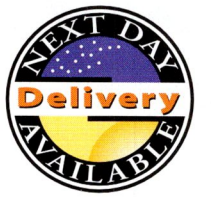
6 x 6" Filter Kit For use above lens
**IL0056 $23.99**

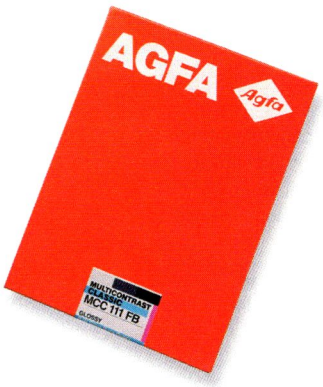
3½ x 3½" Filter Kit For use above lens
**IK0052 $19.99**

Filter Kit For Use Below Lens (Includes mounted filters and filter holder)
**IL0050 $26.99**

# Agfa, Forte and Luminos Papers

## Agfa




### Multicontrast Premium

This resin-coated variable contrast paper provides rich, haze-free blacks and the purest whites on a resin coated base. Non-developer incorporated.

| Size | Qty. | 310 Glossy | 312 Semi-Matte | Price |
|---|---|---|---|---|
| 5 x 7 | 25 | AG80000 | AG82000 | $5.55 |
| 5 x 7 | 100 | AG80005 | AG82005 | $17.69 |
| 5 x 7 | 250 | AG80010 | AG82010 | $36.59 |
| 8 x 10 | 25 | AG80020 | AG82015 | $11.59 |
| 8 x 10 | 100 | AG80025 | AG82020 | $38.59 |
| 8 x 10 | 250 | AG80030 | AG82025 | $82.39 |
| 8½ x 11 | 100 | AG80031 | AG82027 | $41.99 |
| 11 x 14 | 10 | AG80033 | AG82029 | $9.20 |
| 11 x 14 | 50 | AG80035 | AG82030 | $38.39 |
| 11 x 14 | 250 | AG80040 | AG82035 | $166.95 |
| 16 x 20 | 10 | AG80045 | AG82040 | $18.69 |
| 16 x 20 | 50 | AG80050 | AG82045 | $78.19 |
| 20 x 24 | 50 | AG80055 | AG82050 | $117.95 |

### Multicontrast Classic

Fills a distinct niche as a warm-tone multicontrast paper on a double-weight fiber base.

| Size | Qty. | 111 Glossy | 118 Semi-Matte | Price |
|---|---|---|---|---|
| 5 x 7 | 100 | AG83005 | AG84005 | $25.29 |
| 8 x 10 | 25 | AG83010 | AG84010 | $16.39 |
| 8 x 10 | 100 | AG83015 | AG84015 | $54.99 |
| 11 x 14 | 10 | AG83020 | AG84020 | $12.69 |
| 11 x 14 | 50 | AG83025 | AG84025 | $52.49 |
| 16 x 20 | 10 | AG83030 | AG84030 | $24.79 |
| 16 x 20 | 50 | AG83033 | AG84033 | $109.95 |
| 20 x 24 | 10 | AG83035 | AG84035 | $35.69 |
| 20 x 24 | 50 | AG83040 | AG84040 | $161.95 |
| 50" x 100' | Roll | AG83045 | AG84045 | $332.95 |

### Brovira-Speed

This resin-coated paper features a wide exposure latitude with fast processing and drying. Renders rich blacks, with clean highlights.

**Brovira-Speed 310 Glossy**

| Size | Sheets | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Price |
|---|---|---|---|---|---|---|---|
| 8 x 10 | 25 | AG52211 | AG52212 | AG52213 | AG52214 | AG52215 | $13.79 |
| 8 x 10 | 100 | — | AG52242 | AG52243 | AG52244 | AG52245 | $44.59 |

### Portriga-Rapid

This fiber base paper produces warm image tones on a cream base. Features a high silver content and relatively fast chlorobromide emulsion.

**Portriga-Rapid 111 Glossy (Double Weight)**

| Size | Sheets | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Price |
|---|---|---|---|---|---|---|---|
| 8 x 10 | 25 | — | AG22212 | AG22213 | — | — | $23.99 |
| 8 x 10 | 100 | — | AG22242 | AG22243 | — | — | $79.99 |
| 11 x 14 | 10 | — | AG22402 | AG22403 | — | — | $18.69 |
| 11 x 14 | 50 | — | AG22422 | AG22423 | — | — | $75.99 |
| 16 x 20 | 10 | — | AG22602 | AG22603 | — | — | $36.59 |

### Insignia

Insignia, a fiber base paper with silver-rich emulsion, yields a warm image tone on a crisp white base. Features a broad tonal range with uniform speed and tone from grade to grade.

**Insignia 111 Glossy (Double Weight)**

| Size | Sheets | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Price |
|---|---|---|---|---|---|---|---|
| 8 x 10 | 25 | AG42211 | AG42212 | AG42213 | AG42214 | — | $23.99 |
| 8 x 10 | 100 | — | AG42242 | AG42243 | AG42244 | — | $79.99 |
| 11 x 14 | 10 | AG42401 | AG42402 | AG42403 | AG42404 | — | $18.69 |
| 11 x 14 | 50 | — | AG42422 | AG42423 | AG42424 | — | $75.99 |
| 16 x 20 | 10 | AG42611 | AG42612 | AG42613 | AG42614 | — | $36.59 |
| 20 x 24 | 10 | — | AG44802 | AG44803 | AG44804 | — | $56.99 |

## Forte







All Film, Paper, & Chemicals are NON-RETURNABLE

### Polygrade V

PolyGrade V is an exhibition-quality, neutral tone, variable contrast paper available in either double-weight fiber base or medium weight resin coated. "OC" safelight compatible.

**Polygrade V FB**

Provides an extended range of contrast with exceptional development control and toning characteristics.

| Size | Sheets | Glossy | Semi-Matte | Price |
|---|---|---|---|---|
| 5 x 7 | 25 | FT1060 | FT1061 | $6.95 |
| 5 x 7 | 100 | FT1063 | FT1064 | $23.95 |
| 8 x 10 | 25 | FT1066 | FT1067 | $15.49 |
| 8 x 10 | 100 | FT1069 | FT1070 | $51.49 |
| 11 x 14 | 10 | FT1072 | FT1073 | $11.95 |
| 11 x 14 | 50 | FT1075 | FT1076 | $49.49 |
| 16 x 20 | 10 | FT1078 | FT1079 | $23.95 |
| 16 x 20 | 50 | FT1081 | FT1082 | $102.95 |
| 20 x 24 | 10 | FT1084 | FT1085 | $34.95 |
| 20 x 24 | 50 | FT1087 | FT1088 | $156.95 |

### Polywarmtone Plus

This warm tone, variable contrast paper is available in either a heavy, museum weight fiber base or medium weight resin coated. "OC" safelight compatible.

**Polywarmtone Plus FB**

Creates prints with warm velvety blacks and sparkling highlights. Process with standard or warm tone developers. New museum heavy weight fiber base offers improved handling.

| Size | Sheets | Glossy | Semi-Matte | Price |
|---|---|---|---|---|
| 5 x 7 | 25 | FT3001 | FT3002 | $8.95 |
| 8 x 10 | 25 | FT3007 | FT3008 | $19.49 |
| 8 x 10 | 100 | FT3011 | FT3012 | $65.95 |
| 11 x 14 | 10 | FT3017 | FT3018 | $15.49 |
| 11 x 14 | 50 | FT3021 | FT3022 | $63.95 |
| 16 x 20 | 10 | FT3025 | FT3026 | $30.95 |
| 16 x 20 | 50 | FT3029 | FT3030 | $129.95 |
| 20 x 24 | 10 | FT3033 | FT3034 | $43.95 |
| 20 x 24 | 50 | FT3037 | FT3038 | $192.95 |

## Luminos

### Luminos

Luminos extends creative boundaries by combining vintage photographic properties with today's technological conveniences. Uses standard chemistry.

**Luminos Charcoal R**

Premium weight warm-tone, warm-base paper with surface of fine watercolor paper.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | LZ0100 | $26.89 |
| 8 x 10 | 50 | LZ0105 | $47.29 |
| 11 x 14 | 10 | LZ0110 | $23.29 |
| 11 x 14 | 50 | LZ0115 | $89.99 |
| 16 x 20 | 10 | LZ0120 | $47.79 |

**Luminos Tapestry X**

Like Charcoal R, with more pronounced surface texture–similar to artist's canvas.

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 25 | LZ0200 | $26.89 |
| 8 x 10 | 50 | LZ0205 | $47.29 |
| 11 x 14 | 10 | LZ0210 | $23.29 |
| 11 x 14 | 50 | LZ0215 | $89.99 |
| 16 x 20 | 10 | LZ0220 | $47.79 |

**Luminos Photo Linen**

Natural woven durable fabric with b&w emulsion. Fold, crumple, iron, sew, or stretch it! Process conventionally.



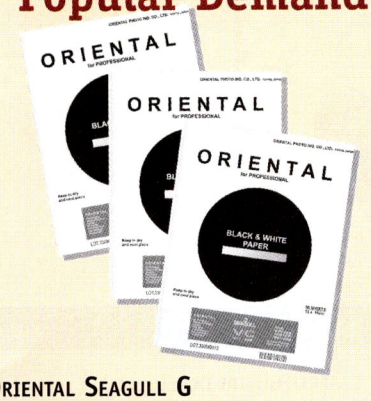

| Size | Sheets | Item No. | Price |
|---|---|---|---|
| 8 x 10 | 10 | LZ0300 | $36.39 |
| 11 x 14 | 10 | LZ0305 | $69.69 |
| 16 x 20 | 5 | LZ0310 | $78.29 |

**Luminos Pastel**

Truly unique semi-matte RC papers print black on a colored base. For creative effect, exposed image area can be toned, or even bleached to reveal white sub-base.

| Size | Sheets | Base Tone | Item No. | Price |
|---|---|---|---|---|
| 8 x 10 | 10 | Antique Ivory | LZ0425 | $16.19 |
| 8 x 10 | 10 | Red | LZ0455 | $16.19 |
| 11 x 14 | 10 | Antique Ivory | LZ0430 | $34.09 |
| 11 x 14 | 10 | Red | LZ0460 | $34.09 |

# It's Back By Popular Demand!



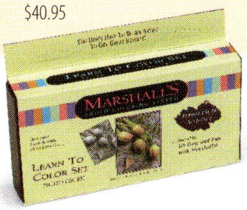

## Oriental Seagull G

The legendary Oriental Seagull G Fine Art and Variable Contrast Papers are once again available in the United States!

| Size | Sheets | Grade 2 | Grade 3 | Grade 4 | Price |
|---|---|---|---|---|---|
| 8 x 10 | 20 | SL1003 | SL1005 | SL1007 | $ 17.95 |
| 8 x 10 | 100 | SL1018 | SL1020 | SL1022 | $69.95 |
| 11 x 14 | 25 | SL1033 | SL1035 | SL1037 | $35.95 |
| 11 x 14 | 50 | SL1048 | SL1050 | SL1052 | $66.95 |
| 16 x 20 | 50 | SL1063 | SL1065 | SL1067 | $136.95 |
| 20 x 24 | 10 | SL1078 | SL1080 | SL1082 | $42.95 |

## Oriental Seagull Variable Contrast

| Size | Sheets | Item # | Price |
|---|---|---|---|
| 8 x 10 | 20 | SL3005 | $15.95 |
| 8 x 10 | 100 | SL3011 | $63.95 |
| 11 x 14 | 25 | SL3017 | $31.95 |
| 11 x 14 | 50 | SL3020 | $62.95 |
| 16 x 20 | 50 | SL3032 | $126.95 |
| 20 x 24 | 10 | SL3035 | $40.95 |



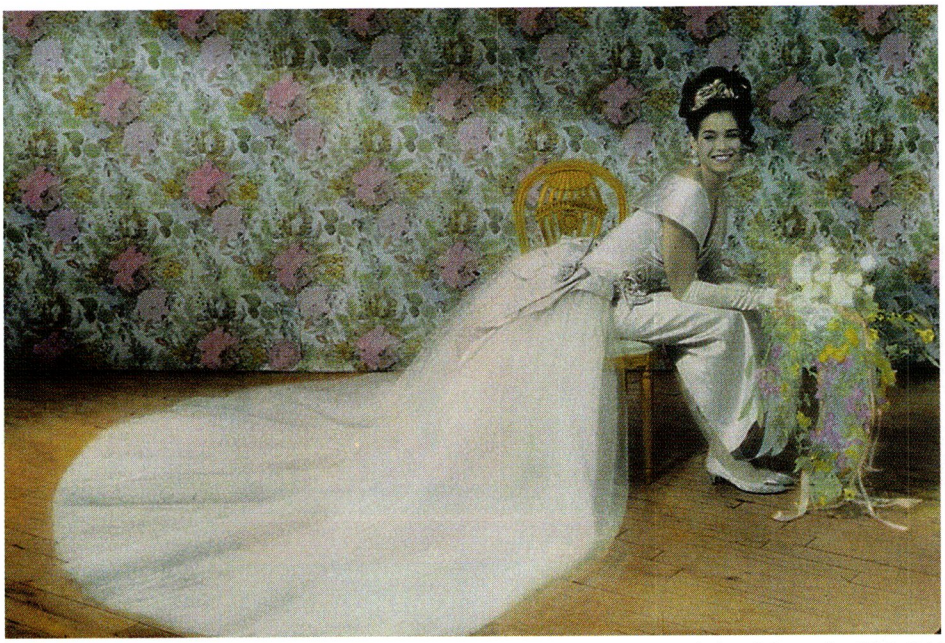

## Marshall's Photo Oils

Discover the excitement and satisfaction of direct image enhancement with hand-applied color oils on your b&w and color prints. Photo oils and liquids can be intermixed for a vast range of color combinations from soft and muted to bold and intense. All sets contain a variety of colors and all preparation, application and instruction materials.

| Description | Colors | Part No. | Price |
|---|---|---|---|
| Learn to Color Oil Set | (9) | MH1005 | $29.95 |
| Hobby Oil Set | (15) | MH1010 | $59.95 |
| Advanced Oil Set | (20) | MH1015 | $79.95 |
| Master Oil Set | (46) | MH1020 | $139.95 |

### Hand Tinting & Retouching Video

Covers tips and techniques on everything from handcoloring with spot pens to advanced tinting and retouching scratches, hot spots, eye glass glare, minimizing wrinkles and more. 65 minutes, VHS only. **BR1157 $27.95**



*Handcolored Image by Jill Enfield*

## Marshall's Liquid Retouch Colors

These colors are self-blending and can be applied over each other until the desired effect is achieved. For color and b&w prints and transparencies. Each kit includes 8 assorted ½ oz. bottles and instructions.

**Liquid Retouch Color Group #1**
Primary yellow, red, and blue, plus basic flesh, green, brown, black and blue. **MH1047 $39.95**

**Liquid Retouch Color Group #2**
Gray, violet, bright orange, raw sienna, bright red, foliage green, verona brown, and flesh shadow. **MH1048 $39.95**

**Liquid Retouch Color Group #3**
Aqua, bright violet, burnt sienna, cheek, lip-stick red, oxide green, sky blue, and viridian. **MH1049 $39.95**

**Pre-Color Spray**
Pretreats glossy b&w prints, sepia or brown-tone prints, color prints, RC papers, canvas or canvas board to allow them to accept oils and pencils. 13 oz. can **MH5001 $9.95**

**PMS Solution**
Use this solution to remove a little or a lot of color or use it to prepare a print prior to coloring so that the paper absorbs only a very light amount of color. 4 oz. bottle **MH1045 $9.95**

**Marlene Solution**
Perfect for removing undesired color. Fast drying and non-flammable. Unlike turpentine, it will not spread, leave a ring or shine when dry. 4 oz. bottle **MH1040 $9.95**

## Marshall's Photo Pencils

Use these to enhance details or highlights or create unusual effects in covering your print. Compatible with Photo Oil colors.

Starter Set (9 clrs) **MH1022 $19.95**
Deluxe Set (14 clrs) **MH1021 $23.95**




## SpotPen Handcoloring Sets

SpotPens offer an easy way to get started in handcoloring photographs. Dye actually penetrates the emulsion to become a part of the print so there's no need for a lacquer coating. Pens feature a broad chisel tip for even and controlled distribution. For fiber base, RC, glossy and matte surfaced papers.

**Handcolor Starter Kit**
Includes pre-moistening solution, dye remover pen for blending, sponge, cotton pads and eight pens: Medium Mustard, Light Flesh, Flesh I Dark, Sky, Cheek Pink, Lip Pink, Medium Lilac and Grass I. **BR1158 $35.95**

**Handcolor Group #2**
Includes Flesh II Light, Sea Blue, Light Purple, Flesh I Light, Medium Sky II, Grass II, Red and Rust. **BR1159 $34.95**

**Handcolor Group #3**
Includes Medium Cyan, Butterscotch, Brown, Lime, Peach, Fuchsia, Sea Green and Bright Orange. **BR1160 $34.95**

# B&W Chemicals







## Kodak B&W

| | | | | |
|---|---|---|---|---|
| D-8 Developer | powder | makes 1 gal. | KP02088 | $13.49 |
| D-11 Developer | powder | makes 1 gal. | KP02090 | $5.25 |
| D-19 Developer | powder | makes 1 gal. | KP02700 | $5.55 |
| DK-50 Developer | powder | makes 1 gal. | KP02710 | $6.25 |
| Kodalith Super RT Developer | powder | makes 2 gal. | KP02028 | $13.49 |
| XTOL Developer | powder | makes 1 liter | KP02007 | $4.10 |
| XTOL Developer | powder | makes 5 liters | KP02008 | $8.65 |
| D-76 Developer | powder | makes 1 gal. | KP02000 | $4.95 |
| HC-110 Developer | liquid | makes 2 gal. | KP02001 | $11.49 |
| HC-110 Developer | liquid | makes 3½ gal. | KP02002 | $19.49 |
| Technidol LC Developer | liquid | makes 6–8 oz. | KP02003 | $11.49 |
| T-Max Developer | liquid | makes 1 gal. | KP03001 | $9.75 |
| T-Max Developer | liquid | makes 5 gal. | KP03005 | $34.95 |
| T-Max RS Developer | liquid | makes 1 gal. | KP03006 | $11.79 |
| T-Max RS Developer | liquid | makes 10 gal. | KP03007 | $80.49 |
| T-Max 100 Direct Positive Film Dev. Kit | liquid | makes 1 qt. | KP02005 | $37.95 |
| Microdol-X Developer | powder | makes 1 gal. | KP02006 | $8.00 |
| Polymax T Developer | liquid | makes 2.5 gal. | KP02720 | $8.25 |
| Polymax T Developer | liquid | makes 10 gal. | KP02721 | $30.49 |
| Ektaflo Developer Type II | liquid | makes 10 gal. | KP02009 | $32.95 |
| Screw-Cap Dispenser | n/a | n/a | KK9499 | $16.49 |
| Selectol-Soft Developer | powder | makes 1 gal. | KP02084 | $8.65 |
| Dektol Developer | powder | makes 1 gal. | KP02012 | $5.39 |
| Dektol Developer | powder | makes 5 gal. | KP02014 | $26.95 |
| Indicator Stop Bath | liquid | makes 8 gal. | KP02024 ↯ | $5.35 |
| Indicator Stop Bath | liquid | makes 64 gal. | KP02025 ↯ | $33.49 |
| Ektaflo Stop Bath | liquid | makes 32 gal. | KP02027 ↯ | $22.95 |
| Kodafix | liquid | makes 1 gal. | KP02086 | $6.49 |
| Polymax T Fixer | liquid | makes 1 gal. | KP02722 | $6.80 |
| Polymax T Fixer | liquid | makes 4 gal. | KP02723 | $23.95 |
| Kodak Fixer | powder | makes 1 gal. | KP02016 | $4.69 |
| Kodak Fixer | powder | makes 5 gal. | KP02018 | $20.95 |
| Rapid Fixer | liquid | makes 1 gal. | KP02020 | $8.75 |
| Rapid Fixer | liquid | makes 5 gal. | KP02022 ↯ | $20.95 |
| Rapid Fixer "A" 5 gal. cube | liquid | makes 20 gal. | KP02030 | $66.95 |
| Hardener for Rapid Fixer "A" | liquid | makes 20 gal. | KP02032 ↯ | $9.50 |
| 28% Acetic Acid | liquid | 16 oz. | KP02073 ↯ | $3.85 |
| Glacial Acetic Acid | liquid | 1 gal. | KP02076 ↯ | $25.95 |
| Hypo Clearing Agent | powder | makes 1.25 gal. | KP02070 | $2.95 |
| Hypo Clearing Agent | powder | makes 5 gal. | KP02026 | $5.20 |
| Farmer's Reducer | powder | makes 1 qt. | KP03014 | $3.70 |
| Photo Flo-200 | liquid | 4 oz. | KP02080 | $3.95 |
| Photo Flo-200 | liquid | 16 oz. | KP02081 | $7.25 |
| Photo Flo-600 | liquid | 1 gal. | KP04092 | $42.49 |
| Sepia Toner (Bleach & Toner) | powder | makes 1 qt. each | KP02058 ↯ | $3.50 |
| Brown Toner | liquid | 8 oz. | KP02056 | $11.49 |
| Poly-Toner | liquid | 1 qt. | KP02057 | $20.49 |
| Rapid Selenium Toner | liquid | 1 qt. | KP02010 | $17.95 |
| Rapid Selenium Toner | liquid | 1 gal. | KP04094 | $53.95 |

## Ethol

**LPD Liquid Paper Developer**
Shift image tone from cool to warm through dilution without affecting contrast. Does not contain skin-irritiating Metol.

| | | | |
|---|---|---|---|
| LPD liquid | 32 oz. | BR5910 | $9.49 |
| LPD liquid | 1 gal. | BR5920 | $33.49 |
| LPD liquid | 5 gal. | BR5925 | $94.49 |
| LPD powder | 1 gal. | BR5927 | $6.95 |
| LPD powder | 5 gal. | BR5928 | $27.95 |

**Anti-static Film Cleaner**
Cleans b&w or color films and leaves them dust resistant. Evaporates quickly. 4 oz. bottle. **BR5900 $6.95**

**UFG Film Developer**
UFG, or Ultra-Fine Grain developer, gets great results with push processing and other grain sensitive applications. 1 gal.
**BR5930 $6.95**

**TEC Film Developer**
TEC, or Thin Emulsion Compensating developer is ideal for fine grain films like Tech Pan – it's the highest acutance developer Ethol makes. A liquid concentrate. 4 oz.
**BR5940 $7.49**

## Ilford

| | | | | |
|---|---|---|---|---|
| ID-11 Plus Film Developer | powder | makes 1 gal. | IL0160 | $4.49 |
| Microphen Film Developer | powder | makes 1 gal. | IL0170 | $4.49 |
| Pereceptol Film Developer | powder | makes 1 gal. | IL0180 | $6.80 |
| Ilfotec DD-X Film Developer .5 lt. | liquid | makes 2.5 lt. | IL0172 | $11.49 |
| Ilfotec HC Film Developer | liquid | makes 3.5 gals. | IL0190 | $17.49 |
| Ilfosol-S Film Developer | liquid | makes 5 lt.. | IL0193 | $4.49 |
| Bromophen Developer | powder | makes 1 gal. | IL0184 | $4.95 |
| Multigrade Developer .5 lt. | liquid | makes 5 lt. | IL0101 | $5.95 |
| Multigrade Developer 2.5 lt. | liquid | makes 25 lt. | IL0100 | $19.95 |
| Multigrade Fixer .5 lt. | liquid | makes 2.5 lt.. | IL0109 | $4.49 |
| Multigrade Fixer 2.5 lt. | liquid | makes 12.5 lt. | IL0110 | $13.49 |
| 2000 RT Developer/Replenisher 10 lt. | liquid | makes 50 lt. | IL0118 | $44.49 |
| 2000 RT Fixer/Replenisher 10 lt. | liquid | makes 50 lt. | IL0120 | $30.95 |
| 2150 XL Developer 4 lt. | liquid | makes 14 lt. | IL0186 | $23.95 |
| 2150 XL Fixer 4 lt. | liquid | makes 14 lt. | IL0187 | $15.49 |
| Universal Paper Developer .5 lt. | liquid | makes 5 lt. | IL0194 | $4.49 |
| Universal Paper Developer 5 lt. | liquid | makes 50 lt. | IL0195 | $24.49 |
| Universal Rapid Fixer .5 lt. | liquid | makes 2.5 lt. | IL0113 | $3.95 |
| Universal Rapid Fixer 5 lt. | liquid | makes 25 lt. | IL0115 | $18.49 |
| Universal Wash Aid 1 lt. | liquid | makes 5 lt. | IL0200 | $6.95 |

## Agfa

| | | | | |
|---|---|---|---|---|
| Rodinal Film Developer | liquid | 125ml | AG00500 ↯ | $6.49 |
| Rodinal Film Developer | liquid | 500ml | AG00503 ↯ | $10.49 |
| Neutol (Warm) Paper Developer | liquid | makes 4 Liters | AG00512 | $6.49 |
| Neutol Plus (Neutral) Paper Developer | liquid | makes 5 Liters | AG00516 | $5.49 |
| Multicontrast Paper Developer | liquid | makes 2.5 Liters | AG00520 | $2.95 |
| Multicontrast Paper Developer | liquid | makes 5 Liters | AG00524 | $24.89 |
| Viradon Toner | liquid | makes 6.3 Liters | AG00530 | $10.95 |

↯ **Items marked with this symbol** are subject to certain shipping restrictions. Ask for details when placing your order. Liquid chemicals are shipped separately from other merchandise and do not qualify for our standard shipping rates.

## Edwal

### FG7 Film Developer
Produces negatives with good sharpness and grain. (Standard dilution is 1:15.)

| | | | | |
|---|---|---|---|---|
| FG7 Film Developer | Liquid | 16 oz. | BR1107 | $9.95 |
| FG7 Film Developer | Liquid | 32 oz. | BR1108 | $13.95 |
| FG7 Film Developer | Liquid | 1 gal. | BR1090 | $34.95 |

### TG7 Film Developer
Specially formulated for T-grain black & white films. (Standard dilution is 1:7.)

| | | | | |
|---|---|---|---|---|
| TG7 Film Developer | Liquid | 16 oz. | BR1104 | $9.95 |

### Ultra Black Print Developer
Produces high D-max. Low dilution for cold images, high dilution produces warm portrait blacks.

| | | | | |
|---|---|---|---|---|
| Ultra Black Print Dev. | Liquid | 16 oz. | BR1078 | $9.95 |
| Ultra Black Print Dev. | Liquid | 32 oz. | BR1079 | $13.95 |

### "G" Print Developer
Increases contrast. Use straight.

| | | | | |
|---|---|---|---|---|
| "G" Print Developer | Liquid | 32 oz. | BR1091 | $14.95 |

### TST Paper Developer
Versatile developer controls tone by dilution.

| | | | | |
|---|---|---|---|---|
| TST Paper Developer | Liquid | 32 oz. | BR1077 | $15.49 |

### Platinum II Paper Developer
Produces neutral black images and yields superior quality results with warm-tone fiber-base papers.

| | | | | |
|---|---|---|---|---|
| Platinum II Paper Dev. | Liquid | 16 oz. | BR1110 | $8.95 |

### Quick-Fix
Fast, hardening fixer has no offensive odor. Hardener included, but separate.

| | | | | |
|---|---|---|---|---|
| Quick-Fix | Liquid | makes 1 gal. | BR1096 ↯ | $8.49 |
| Quick-Fix | Liquid | makes 5 gal. | BR1095 ↯ | $22.49 |

### High Speed Fix
Minimize wet time. Fix prints in 30 sec. without hardening.

| | | | | |
|---|---|---|---|---|
| High Speed Print Fix | Liquid | 32 oz. | BR1060 | $6.95 |
| High Speed Print Fix | Liquid | 1 gal. | BR1062 | $19.95 |

## Heico

### Perma Wash
Eliminates hypo so effectively that rinse water volume can be reduced as much as 90%! Ensures archival permanence in films and papers.

| | | | | |
|---|---|---|---|---|
| Perma Wash | Liquid | 1 qt. (makes 11 gal.) | BR5810 | $13.49 |
| Perma Wash | Liquid | 1 gal. (makes 48 gal.) | BR5811 | $42.49 |
| Perma Wash | Liquid | 5 gal. (makes 240 gal.) | BR5813 | $192.95 |

### NH-5 Fixer
Convenient liquid concentrate. For film or paper.

| | | | | |
|---|---|---|---|---|
| NH-5 Fixer w/out Hardener | Liquid | makes 1 gal. | BR5814 | $8.49 |
| NH-5 Hardener for 1 gal. size | Liquid | | BR5816 | $3.49 |
| NH-5 Fixer w/out Hardener | Liquid | makes 4 gal. | BR5817 | $24.95 |
| NH-5 Hardener for 4 gal size | Liquid | | BR5818 | $5.49 |
| NH-5 Fixer w/out Hardener | Liquid | makes 20 gal. | BR5819 | $101.95 |

## Acufine

### Acufine Developer
High acutance ultra-fine grain developer.

| | | | | |
|---|---|---|---|---|
| Acufine Film Developer | powder | 1 qt. | BR5732 | $3.95 |
| Acufine Film Developer | powder | 1 gal. | BR5728 | $10.49 |
| Acufine Film Dev. Replenisher | powder | 1 qt. | BR5740 | $3.95 |

### Diafine Developer
Two-part ultra-fine grain developer handles virtually any combination of b&w films.

| | | | | |
|---|---|---|---|---|
| Diafine Film Developer | powder | 1 gal. ea. | BR3540 | $18.95 |




### 4 & 1 Hypo Eliminator
Removes hypo for faster washing and true permanence. (Standard dilution 1:31.)

| | | | | |
|---|---|---|---|---|
| 4 & 1 Hypo Eliminator | Liquid | 16 oz. | BR1092 | $7.49 |

### Hypo-Chek
Test fixer for exhaustion. One drop is all it takes.

| | | | | |
|---|---|---|---|---|
| Hypo-Chek | Liquid | ¾ oz. | BR1105 | $4.49 |
| Hypo-Chek | Liquid | 4 oz. | BR1106 | $11.49 |

### LFN Wetting Agent
Prevents water spots. Cuts RC dry time in half.

| | | | | |
|---|---|---|---|---|
| LFN Wetting Agent | Liquid | ¾ oz. | BR1080 | $4.49 |

### Liquid Orthazite
Print developer additive restrains developement of higher values. Eliminates chemical fog in outdated film or paper.

| | | | | |
|---|---|---|---|---|
| Liquid Orthazite | Liquid | 32 oz. | BR1081 | $14.49 |

### No Scratch
Hides film base scratches on negatives when enlarging.

| | | | | |
|---|---|---|---|---|
| No Scratch | Liquid | 1 oz. | BR1100 | $7.95 |

### Color Toner
Converts silver image to color, leaving the base unaffected.

| | | | | |
|---|---|---|---|---|
| Blue Toner | Liquid | makes ½ gal. | BR1065 | $6.95 |
| Brown Toner | Liquid | makes ½ gal. | BR1066 | $6.95 |

### Tank and Tray Cleaner
Cleans stains on developer trays and tanks.

| | | | | |
|---|---|---|---|---|
| Tank and Tray Cleaner | Liquid | 16 oz. | BR1093 | $7.95 |
| Tank and Tray Cleaner | Liquid | 32 oz. | BR1075 | $12.49 |

## Zone VI B&W Chemicals

### Print Developer
Achieves the highlight separation with excellent shadows. Packed in two parts for better shelf life. 1 gallon package makes 4 gallons working solution. (1:3 dilution.)
**BP5011 $5.20 Case of 8 $4.65 each**

### Print/Film Fixer
High quality classic F-6 formula for b&w film and papers. Minimizes print and negative curling. 1 gallon packages.
**BP5021 $4.60 Case of 8 $4.10 each**

### Plain Hypo
Master printers use pure hypo (Sodium Thiosulphate) in a second fix bath prior to toning. 1 gallon packages.
**BP5023 $4.50 Case of 8 $4.00 each**

### Benzotriazole
Restrains development of higher print values. Yields clean whites. Half ounce per quart of developer. 1 quart bottle.
**BP5025 $10.00 Case of 2 $9.00 each**

### Hypo Clearing Agent
Makes 7 gallons of working solution.
**BP5026 $8.00**

### Anti-Static Wetting Agent
Dries negatives spot-free and dust free. 1 quart bottle. **BP5028 $5.00**

### Film Developer
Achieves maximum resolution from slow, thin-emulsion films. Develops 32 rolls of 35mm film or 120 4x5's. **BP5030 $9.00**

## Liquid Emulsions

### Liquid Light
Brush on paper, wood, etc., expose and process.

| | | | | |
|---|---|---|---|---|
| Liquid Light | Liquid | 8 oz. | BR0152 | $24.95 |
| Liquid Light | Liquid | 16 oz. | BR0155 | $39.95 |

### Halochrome Silver Toner
Converts b&w photo image to gleaming metallic silver. Tone 40 - 8x10 prints. (Not for use with Liquid Light.)

| | | | | |
|---|---|---|---|---|
| Halochrome | Liquid | 8oz. | BR0157 | $18.49 |

## Photographic Solutions

### PEC-12 Emulsion Cleaner
For film or paper.
Doesn't affect quality or permanence.

| | | | | |
|---|---|---|---|---|
| PEC-12 Emulsion Cleaner | Liquid | 4oz. | PZ1000 | $9.95 |
| PEC-12 Emulsion Cleaner | Liquid | 32oz. | PZ1002 | $55.95 |

### Photofinish Darkroom Cleaner
Non-toxic cleaner lifts stains from processors, trays, tanks.

| | | | | |
|---|---|---|---|---|
| Photofinish Darkroom Cleaner | Paste | 22oz. | PZ1020 | $6.95 |

### Re-Stor b&w Print Restoration Solution
Re-develops old, faded b&w photos.
Works in room light.

| | | | |
|---|---|---|---|
| Re-Stor b&w Print Restoration Solution | 16oz. | PZ1030 | $14.95 |

### The Finishing Touch Hand Lotion
Beeswax allows skin to breathe and is not greasy.

| | | | |
|---|---|---|---|
| Finishing Touch Hand Lotion | 6oz. | PZ1007 | $6.95 |

### Pec-Pads
Soft, lint-free pads for cleaning film, prints & glass.

| | | | |
|---|---|---|---|
| Pec-Pads 4 x 4" | 100 | PZ1010 | $6.95 |
| Pec-Pads 9 x 9" | 25 | PZ1013 | $6.95 |

### Crystal Clear Lens Cleaning System
Just a few drops on a folded Pec-Pad and wipe lightly in a single direction. Includes 10 sheets of Pec-Pad photo wipes.

| | | | |
|---|---|---|---|
| Crystal Clear | 2 oz. | PZ1040 | $7.95 |

### e-wipes
One-step, pre-measured cleaning system. Use on any image-forming surface. Each wipe measures appx. 3x3".

| | | | |
|---|---|---|---|
| e-wipes | 25 | PZ1045 | $24.95 |

# Digital Supplies

## Drives

### Zip SCSI Drive

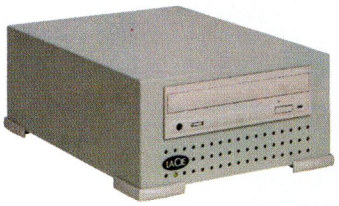
The SCSI model of the 250MB Zip drive is the next Zip product extension for Mac and SCSI-equipped PC users, not only boasting increased capacity, but also a speed boast of 50% over the classic SCSI Zip 100.
**IM1442 $114.95**

USB 100MB External
**IM1440 $149.95**

250 MB External
**IM1444 $204.95**

### Jaz 2GB Drive

The ideal removable professional storage solution. Jaz drives are the super-fast way to store, transport and use your digital files. Store up to 2 gigabytes with an average seek time to 10ms – fast as many hard drives yet as easy to use as a floppy drive. **IM1410 $359.95**



### LaCie CD-RW

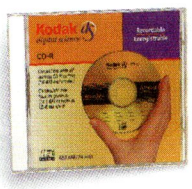
Ideal for writing and rewriting on CD-RW discs for back-up and archival purposes or burning classic CD-R discs once. Includes Easy CD Creator (Windows 98, Windows 95 & NT 4.0) and Toast (Mac OS) software. SCSI-2 with two 50-pin connectors for fast data exchanges and quick recording. Write and re-write speed: 4x; Read speed: 16x. External.
**IM6100 $426.95**

## Storage Media










### Jaz Disks

Expand your hard drive, back up your entire system one disk, move your work easily to different locations and computers. Great for multimedia.

| | | |
|---|---|---|
| 1 gb Three-Pack PC | IM1403 | $277.95 |
| 1 gb Three-Pack MAC | IM1404 | $277.95 |
| 1 gb Single PC | IM1406 | $99.95 |
| 1 gb Single MAC | IM1408 | $99.95 |
| 2 gb Single MAC | IM1411 | $133.95 |
| 2 gb Three-Pack MAC | IM1413 | $297.95 |
| 2 gb Single PC | IM1415 | $125.95 |
| 2 gb Three-Pack PC | IM1417 | $299.95 |

### Iomega Zip Disks

These disks are a reliable and economical way to expand the storage of your computer. Perfect for storing large scanned or downloaded files, consolidate and archive old files or organize your jobs and accounts.

| | | |
|---|---|---|
| 250 MB Disk 4-Pk MAC | IM1475 | $79.95 |
| 250 MB Disk 4-Pk PC | IM1474 | $76.95 |
| 10 Pack-100MB MAC | IM1457 | $107.95 |
| 10 Pack-100MB PC | IM1459 | $107.95 |
| 100 MB Three-Pack MAC | IM1456 | $49.95 |
| 100 MB Three-Pack PC | IM1458 | $49.95 |

### CDR Recorder Media

**CDR Recorder Media 650MB (30 pack)**
This write-once 650MB disc allows multiple writing sessions and recording speeds up to 8x. With Info Guard protection system. Jewel cases included. **EK1930 $69.95**

**CDR Recorder Media 650MB 74 Min. (1 pack)**
This write-once 650MB disc can also be used to record up to 74 minutes of audio. 1x, 2x, 4x, 6x recording speed compatible. Jewel case included. **IM1934 $2.95**

**CDR Recorder Media 650MB 74 Min. (100 Bulk Pack)**
Write-once discs same as above. Jewel cases not included.
**IM1935 $207.95**

**CD-RW Rewritable Media 650MB 74 Min. (1 pack)**
This recordable, erasable and rewritable disk is compatible for reading on CD-RW, MultiRead CD-Rom and MultiRead DVD-Rom. Jewel case included. **IM1936 $15.95**

## Digital Photo Printer Media

### Ektatherm XLS (Page 12)

Used for the 8650 & 8670 dye sub. printers, these media products feature outstanding image stability and photographic quality continuous-tone thermal prints. Provides excellent color reproduction including exceptional flesh tones. Laminate protection from XtraLife Ribbon keeps fingerprints off the print and prevents dye from transferring to PVC sleeves and folders.

| Ribbons | Part No. | Price |
|---|---|---|
| Black Ribbon | EK1474 | $179.95 |
| Oversize 3 Color Ribbon | EK1529 | $189.95 |
| Oversize 4 Color Ribbon | EK1531 | $179.95 |
| 3 Color Ribbon (CMY) +extra life | EK1449 | $199.95 |
| 3 Color Ribbon (CMY) | EK1471 | $129.95 |

| Papers | Qty. | Part No. | Price |
|---|---|---|---|
| 8.5 x 11" | 100 | EK1475 | $59.95 |
| 8.5 x 12" | 100 | EK1550 | $64.95 |
| 9.5 x 14" | 100 | EK1764 | $74.95 |
| Transparency 8.5 x 11" | 100 | EK1554 | $99.95 |
| Transparency 8.5 x 12" | 100 | EK1555 | $144.95 |

### Olympus P-330 Digital Printer Media (Page 13)

| | | | |
|---|---|---|---|
| Printer Paper Kit | 60 | OM1750 | $39.95 |
| Paper Kit w/overcoat | 60 | OM1753 | $49.95 |
| 1-cut sticker | 60 | OM1751 | $64.95 |
| 16-cut stickers | 60 sheets | OM1752 | $74.95 |

### Sony DPP-MS300 Digital Printer Media (Page 13)

Includes 50 4x5½ sheets and ribbon
**SZ1002 $44.95**

### Sony UP-D9500 Media (Pg. 12)

A3++ variable dot ribbon and paper with 12¾ x 18⅛ image area. 180 quantity. **SZ4060 $670.95**

**A3++ dye sub ribbon.**
180 proofs. **SZ4062 $750.95**

**A3++ dye sub paper**
12¾ x 18⅛ image area. 180 proofs.
**SZ4063 $586.95**

**A4++ variable dot ribbon and paper**
12¾ x 9⅝ image area. 240 proofs.
**SZ4065 $562.95**

**A4++ dye sublimation ribbon and paper**
Print image area 12¾ x 9⅝. 240 proofs. **SZ4067 $1129.00**

**Ink ribbon holder**
**SZ4069 $149.95**

**32MB RAM add-on memory kit**
**SZ4070 $299.95**

## DigiPower Batteries

### DigiPower Batteries

**Charger with 4 -Pack of Batteries**
This kit includes four rechargeable NiMH AA batteries with a convenient, lightweight and powerful quickcharger ideal for digital cameras. Offers two times more power than ordinary AA batteries so you'll always have power when you need it. The charger recharges four batteries in under three hours (two batteries in less than 90 minutes) without overcharging. **TU0320 $29.95**

Two rechargeable NiMH AA Batteries
**TU0321 $7.95**

External Battery Pack
**TU0300 $36.95**

Connector Camera Cable for Nikon, Kodak and Olympus
**TU0301 $8.95**

Connector Camera Cable for Minolta and Casio
**TU0303 $8.95**

Power Adapter for Kodak
**TU0310 $27.95**

Power Adapter for Nikon
**TU0311 $27.95**

## Fuji

### Printer Supplies for Fuji Pictrography Printers (Page 12)

Fuji's Pictrography digital printers produce brilliant, photo-quality color output directly from computer graphics, scanned images and Photo CDs without chemicals or toner.

**Series PG3000 Printer Supplies**

| | | |
|---|---|---|
| PGD 8.8" x 170' Donor Paper | FZ2825 | $279.95 |
| PGSG 8.5" x 101' Glossy Receiver | FZ2830 | $69.95 |
| PGSG 8.8" x 101' Glossy Receiver | FZ2835 | $89.95 |
| PGSM 8.5" x 101' Matte Receiver | FZ2840 | $69.95 |
| PGSM 8.8" x 101' Matte Receiver | FZ2845 | $89.95 |
| Water Condition Cartridge (set of 2) | FZ2855 | $59.95 |

**Series PG4000 Printer Supplies**

| | | |
|---|---|---|
| PZ-D 5 ⅓" x 302' Donor Paper | FZ4200 | $329.95 |
| PZ-D 10 ⅓" x 302' Donor Paper | FZ4205 | $629.95 |
| PZ-D 12" x 302' Donor Paper | FZ4210 | $669.95 |
| PZ-D 12⅔" x 302' Donor Paper | FZ4215 | $769.95 |
| PZ-SG 4" x 197' Glossy Paper | FZ4220 | $64.95 |
| PZ-SG 5" x 197' Glossy Paper | FZ4225 | $78.95 |
| PZ-SG 10" x 197' Glossy Paper | FZ4230 | $159.95 |
| PZ-SG 11" x 197' Glossy Paper | FZ4235 | $179.95 |
| PZ-SG 12⅔" x 197' Glossy Paper | FZ4240 | $199.95 |
| PZ-SM 4" x 197' Matte Paper | FZ4250 | $74.95 |
| PZ-SM 10" x 197' Matte Paper | FZ4260 | $159.95 |
| PZ-SM 11" x 197' Matte Paper | FZ4265 | $179.95 |
| PZ-SM 12⅔" x 197' Matte Paper | FZ4270 | $199.95 |
| PZ-SM 11" x 105' OHP Film | FZ4280 | $164.95 |



## Lumijet Fine Art Preservation Series Inkjet Media

This series of inkjet media offers a range of surfaces and weights that simulate "art papers" and materials often used in fine art reproduction. When these papers and inks are used together, they achieve the greatest level of fade resistance available in inkjet printing.

### Gallery Gloss

Fiber base, medium weight, 9 mil. Produces a smooth glossy surface.

| | | |
|---|---|---|
| 8.5 x 11, 20 sheets | LZ7003 | $26.95 |
| 11 x 17, 20 sheets | LZ7008 | $53.95 |

### Soft Suede

Fiber base, medium weight, 8 mil. A soft matte super white paper.

| | | |
|---|---|---|
| 8.5 x 11, 20 sheets | LZ7023 | $15.95 |
| 11 x 17, 20 sheets | LZ7028 | $31.95 |

### Flaxen Weave

Fiber base, matte, 14 mil. A subtle textured surface that replicates the fine fabric of Renaissance wall hangings.

| | | |
|---|---|---|
| 8.5 x 11, 10 sheets | LZ7043 | $25.95 |
| 11 x 17, 10 sheets | LZ7048 | $52.95 |

### Classic Velour

Fiber base, matte, 19 mil. A smooth and sensual matte paper with the feel of velvet fabric.

| | | |
|---|---|---|
| 8.5 x 11, 10 sheets | LZ7063 | $25.95 |
| 11 x 17, 10 sheets | LZ7068 | $52.95 |

### Museum Parchment

Fiber base, matte, 20 mil. Presenting a visual resemblance to true parchment.

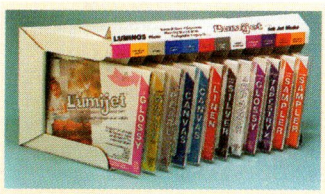
| | | |
|---|---|---|
| 8.5 x 11, 10 sheets | LZ7083 | $25.95 |
| 11 x 17, 10 sheets | LZ7088 | $52.95 |

### Presentation Series Sampler Pak

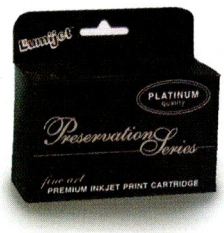
Two sheets of the five different surfaces listed above.

| | | |
|---|---|---|
| 8.5 x 11, 10 sheets | LZ7099 | $18.95 |

*Other sizes available, call for details.*



*Calumet also offers the entire line of Lumijet photo quality inkjet media, designed to closely mirror the selection of paper surfaces and textures available to photographic printmakers.*




## Preservation Series Inks

### Preservation Silver Ink

Available in a wide color gamut that offers an estimated print life of 25-30 years in average indoor display conditions when used with Lumijet Preservation Series Media.

| | | |
|---|---|---|
| 400, 600, 700 & Photo EXBlack | LZ7103 | $31.95 |
| 800 & 1520 Black | LZ7106 | $33.95 |
| 400,600, 800, 1520 Color | LZ7109 | $42.95 |
| Stylus 700 & Photo EX Color | LZ7112 | $40.95 |
| 3000 Black | LZ7115 | $64.95 |
| 3000 Cyan | LZ7116 | $64.95 |
| 3000 Magenta | LZ7117 | $64.95 |
| 3000 Yellow | LZ7118 | $64.95 |

### Preservation Platinum Ink

An ink formulated for use by advanced digital imagemakers wanting to achieve the greatest level of fade resistance with an estimated indoor life of 65-70 years in average display conditions when used with Lumijet Preservation Series Media. Due to color gamut of Preservation Platinum Ink, modification to standard setup tables in commonly used photo edition software required.

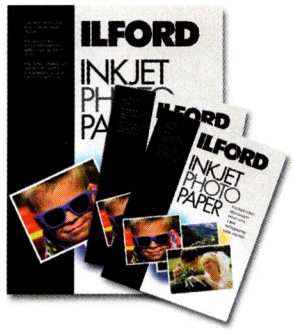
| | | |
|---|---|---|
| 400, 600, 700 & Photo EXBlack | LZ7121 | $40.95 |
| 800 & 1520 Black | LZ7124 | $38.95 |
| 400,600, 800, 1520 Color | LZ7127 | $48.95 |
| Stylus 700 & Photo EX Color | LZ7130 | $45.95 |
| 3000 Black | LZ7133 | $64.95 |
| 3000 Cyan | LZ7134 | $64.95 |
| 3000 Magenta | LZ7135 | $64.95 |
| 3000 Yellow | LZ7136 | $64.95 |

*Preservation ink cartridges also compatible with all other inkjet media.*

## Lumijet System Cleaner

Provides a safe and efficient method of cleaning ink jet nozzles and tubes for maximum quality and printer performance. Can be part of a regular printer maintenance program, but is highly recommended when switching ink sets to or from Lumijet Preservation Platinum Ink.

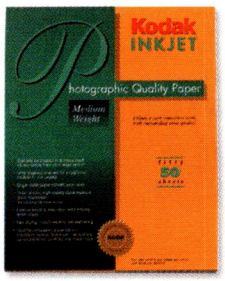
| | | |
|---|---|---|
| 400,600 | LZ7157 | $58.95 |
| 800, 850 & 1520 | LZ7160 | $58.95 |
| Stylus 700 & Photo EX | LZ7163 | $58.95 |
| 3000 Black | LZ7167 | $25.95 |
| 3000 Cyan | LZ7168 | $25.95 |
| 3000 Magenta | LZ7169 | $25.95 |
| 3000 Yellow | LZ7170 | $25.95 |




## Ilford Inkjet Photo Paper

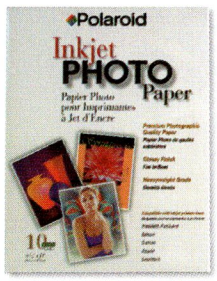
Its smooth, glossy surface and photo-weight base produce prints with a real photographic look and feel. Water-resistant so prints can be handled in confidence.

| | | |
|---|---|---|
| 8.5 x 11, 15 sheets | IL90303 | $9.95 |
| 8.5 x 11, 50 sheets | IL90306 | $29.95 |
| 11 x 17, 15 sheets | IL90312 | $18.95 |




## Kodak Photo Weight Inkjet Paper

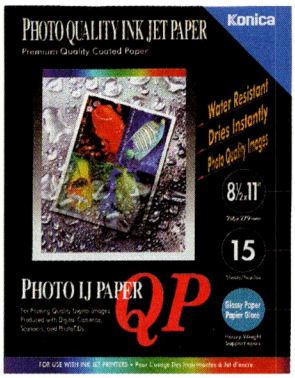
Looks and feels just like true photographic paper with faster drying time and improved image quality than its predecessor.
8.5x11, 50 Sheets **EK1953 $23.95**




## Polaroid Photo Paper

Now there's an inkjet paper with a true photographic look and feel that's fade resistant! Features consistent color and high-quality photo finish. Also stands up to moisture, handling and light.Works on all major inkjet printer brands.

| | | |
|---|---|---|
| 8.5x11, 10 sheets | PS9309 | $7.49 |
| 8.5x11, 50 sheets | PS9312 | $35.95 |
| 4x6 Postcard, 20 sheets | PS9306 | $9.95 |
| 4x6 Snapshot, 20 sheets | PS9303 | $7.49 |

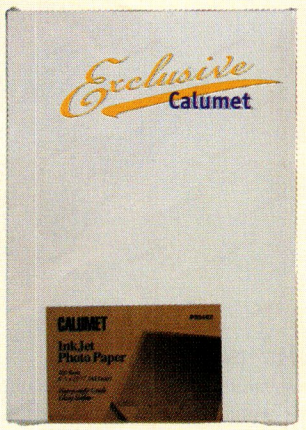



## Konica Premium Quality Inkjet Paper

Konica's whiter, durable faster drying, water and light resistant ink jet papers are designed to make their brilliant colors last a long time. Compatible with most wide format and desktop inkjet prints.

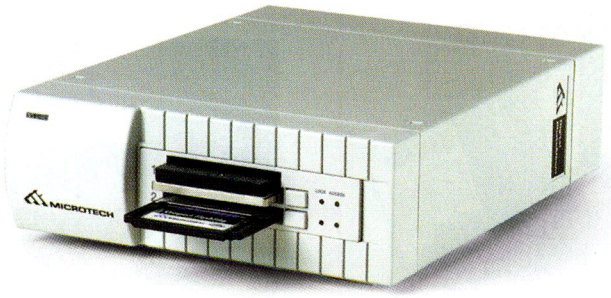
| | | |
|---|---|---|
| 8.5 x 11, 15 sheets | KH1100 | $9.95 |
| 11 x 17, 10 sheets | KH1102 | $14.95 |

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Your Photographic Resource is Open 24 Hours for Secure Ordering!




## Calumet A4 Inkjet

Now you can print on high-quality (photo grade) paper at the price of proofing stock! Our affordable, fade-resistant 8.3 x 11.7' paper stands up to moisture, handling and light. Features consistent color and will feed in most Photo Ink Jet printers that accept 8½ x 11 media. 100 sheets.
**PS9402 $29.95**



### Microtech Digital PhotoAlbum

This external PC Card (PCMCIA) reader/writer has two slots and operates as a standard SCSI device with two consecutive addresses. With this system, you can import images on PC Card media from digital camera systems directly into most desktop Macs and PCs. This eliminates the step of tethering the camera to a workstation which slows the system performance and file transfer rates.
**IM4001 $489.95**



### Microtech Parallel CameraMate

The CameraMate lets you transfer images from camera to computer using PC card technology at speeds up to 10 times faster than a conventional serial cable download. It supports hot swapping of CompactFlash and PCMCIA type I, II or III ATA cards without an adapter. The active LED indication provides operational status of all cards.
**IM4006 $69.95**



### Microtech USB CameraMate

Features dedicated CompactFlash and SmartMedia slots. SmartMedia supports 3.3v and 5v cards up to 128MB. **IM4005 $89.95**



### Microtech SCSI 2 Interface Digital PhotoAlbum • P

Ideal for moving images from the camera to your workstation! This card reader provides a single PC card slot which accommodates both solid state (type I/II) and rotating media (type II) PC cards for popular digital cameras. With the optional Type II adapter, this system also accommodates CompactFlash cards and SSFDC media. Its compact size (3 x 5 x 1") allows storage in a camera or notebook carrying case.
**IM4003 $248.95**

### Memory Storage Cards

**Microtech Compact Flash High Speed**

| | | |
|---|---|---|
| 8MB | IM1830 | $43.95 |
| 16MB | IM1832 | $65.95 |
| 32MB | IM1834 | $107.95 |
| 48MB | IM1836 | $166.95 |

**San Disk Compact Flash**

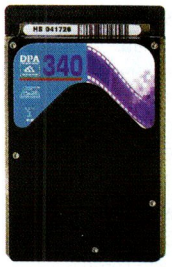
| | | |
|---|---|---|
| 8MB | IM1807 | $43.95 |
| 15MB | IM1811 | $71.95 |
| 30MB | IM18116 | $107.95 |
| 48MB | IM18120 | $147.95 |
| 64MB | IM1813 | $216.95 |
| 96MB | IM1816 | $316.95 |

**Kingston Compact Flash**

| | | |
|---|---|---|
| 8MB | IM1850 | $52.95 |
| 16MB | IM1852 | $75.95 |
| 32MB | IM1854 | $142.95 |
| 48MB | IM1856 | $193.95 |

**Microtech SmartMedia**

| | | |
|---|---|---|
| 8MB | IM2102 | $34.95 |
| 16MB | IM2104 | $59.95 |




**Microtech Type III PCMCIA Integral Viper Card**

| | | |
|---|---|---|
| 260MB | IM4180 | $499.95 |
| 340MB | IM4340 | $599.95 |



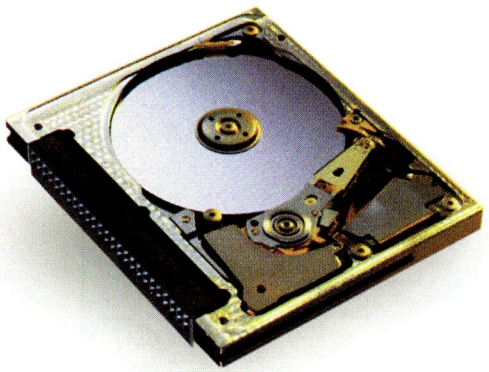

### Card Adapters

Compact Flash to PCMCIA Mictrotech Type II Adapter
**IM2032 $13.95**

Smart Media to PCMCIA Mictrotech Type II Adapter
**IM2120 $67.95**

SmartMedia to Fuji 3½" Floppy Disc Adapter
**FZ2495 $91.95**

TECHNICAL ASSISTANCE
Toll-Free 1-888-888-9083



### IBM Microdrives

These small, lightweight hard disk drives offer high-capacity storage for a wide variety of mobile products such as digital cameras and handheld PCs. Measuring approximately 1" in diameter, and weighing only 20 grams, the Microdrives offer 170 MB and 340 MB capacities, far beyond the compact flash memory cards in use today. They are designed to the industry-standard CompactFlash Type II (CF Type II) interface, and utilize IBM leading mobile drive technology, including giant magnetoresistive (GMR) head technology, load/unload technology, Enhanced Adaptive Battery Life Extender™ 2.0, and TrueTrack™ Servo technology. With super fast read/write rates and operating speeds of 4500 RPM, these microdrives offer significant improvements over current technology.

340 MB w/Type II Adapter **IM4370 $491.95**

340 MB Microdrive **IM4375 $466.95**

170 MB w/Type II Adapter **IM4360 $389.95**

170 MB Microdrive **IM4365 $364.95**

# General Index

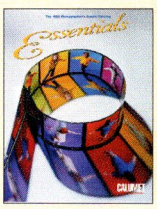
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*PA = Photographic Artist's Catalog*
*B = Brand Index*


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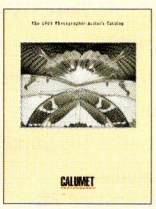


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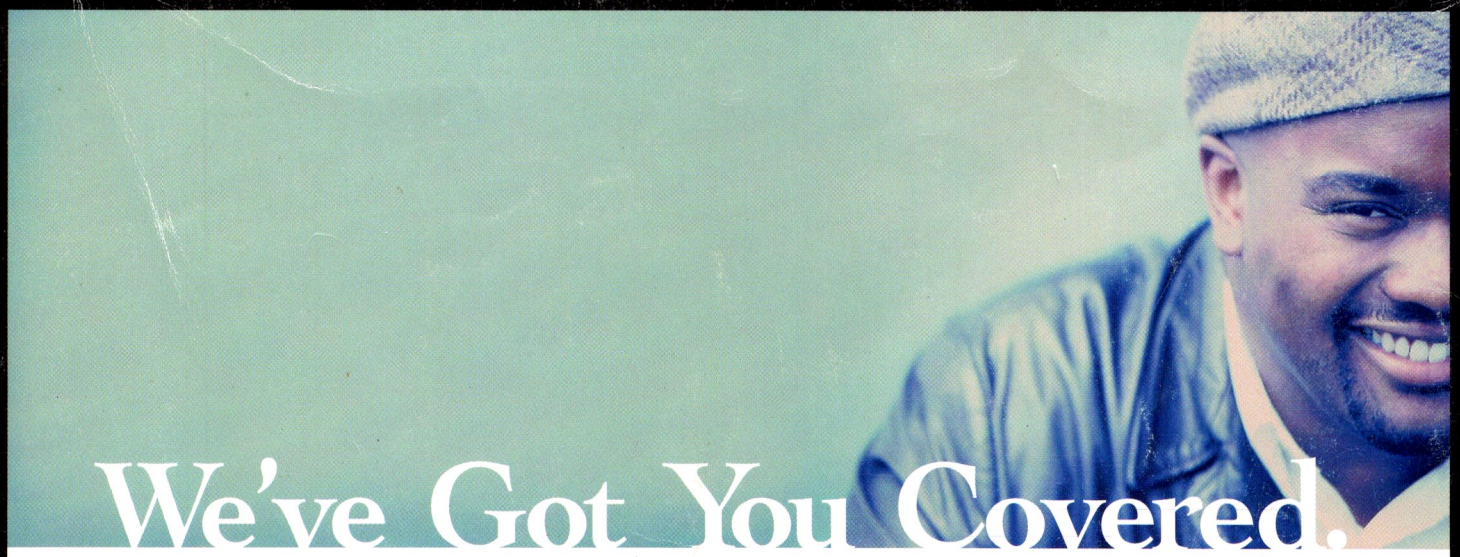
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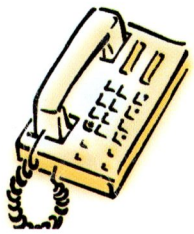


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