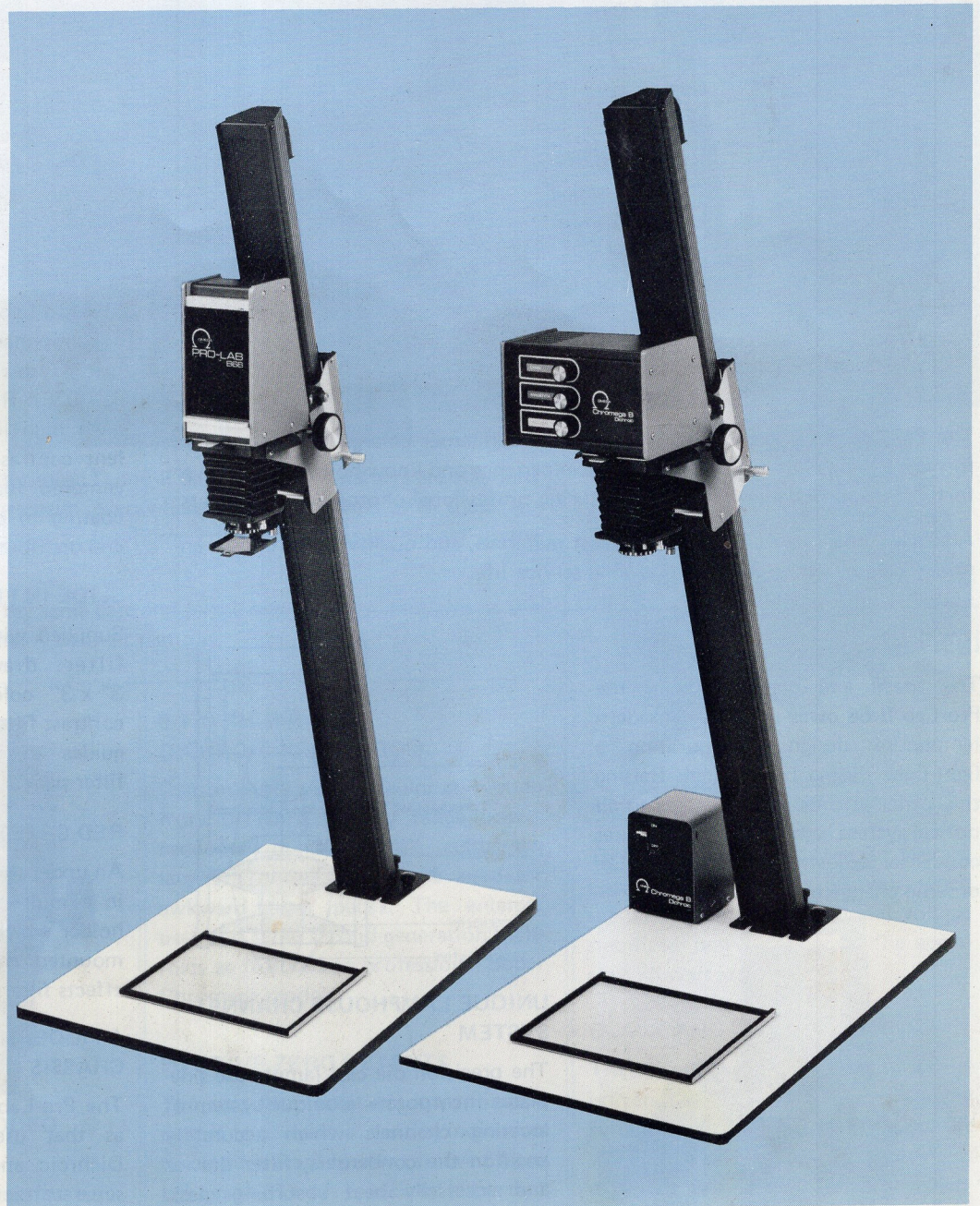




PRO-LAB B-66 & B-66XL CHROMEGB B & B-XL

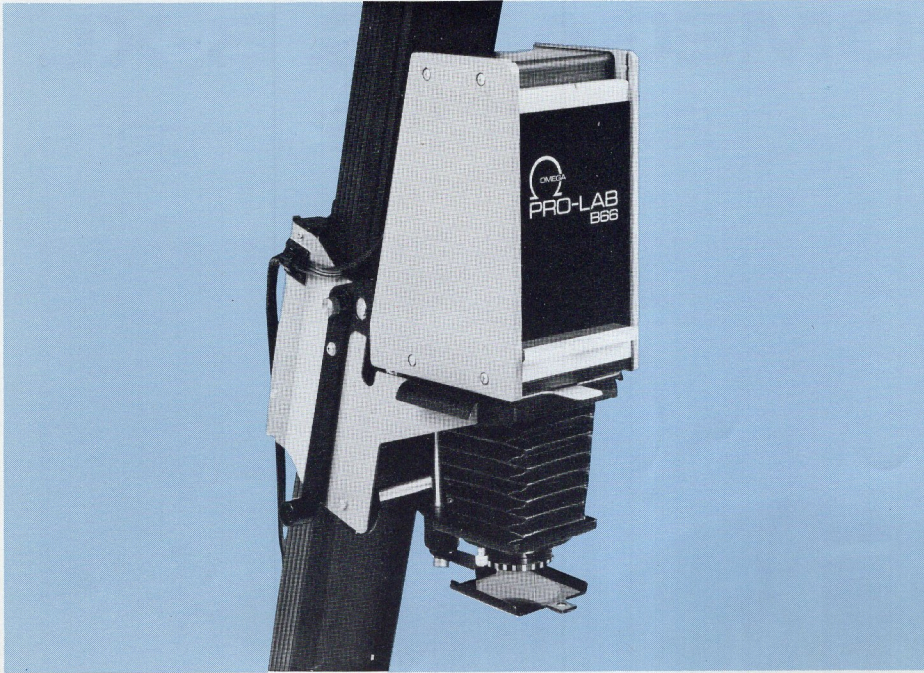
2¼" x 2¼" Enlargers



The Omega Pro-Lab and Chromegb B Dichroic enlargers are part of the Omega "B" system. This modular concept combines a basic enlarger chassis (girder, carriage, and base-board) with either the B-66 condenser or Chromegb B color lamp-house to form the complete enlarger. This traditional Omega approach affords the user maximum flexibility and a broad, interchangeable accessory system.

OMEGA PRO-LAB B-66 and B-66XL

2¼" x 2¼" Triple Condenser Enlargers



OPTICAL GLASS MOUNTED CONDENSERS

The enlarger is supplied with three condensers. Each is individually mounted in a black matte finished metal frame. Two 3½" condensers are used for all negative formats. A 2½" supplementary condenser is added to optimize light distribution and coverage when using 50mm and shorter focal length lenses. B-66 condensers are identical in quality to those used in the costliest Omega professional enlargers. They are bubble-free and ground from high-grade optical glass.

SPECIAL 'TEAR DROP' LAMP

The Pro-Lab B-66 uses a special enlarging lamp made to Omega specifications by General Electric (Cat. No. 471-038). Rated at 75 watts, the lamp gives high light efficiency and excellent contrast. It features an optically centered filament and very uniform coating to produce even light output and distribution.

SLIDE-IN FILTER DRAWER

Supplied with the enlarger is a metal filter drawer accepting standard 3" x 3" color correction or variable contrast filters. The drawer has a set of guides to automatically center the filter pack.

RED SAFETY FILTER

An under-the-lens red safety filter rests in a multi-purpose swing away filter holder which can also be used to hold mounted variable contrast or special effects filters.

A MODERN FUNCTIONAL CHASSIS

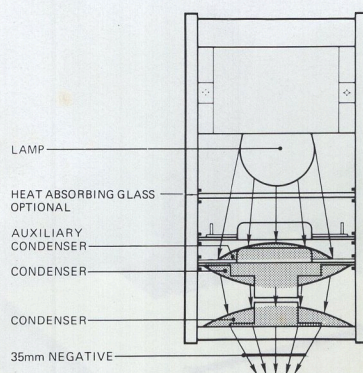
The Pro-Lab B-66 chassis is the same as that used for the Chromega B Dichroic and is fully described in a separate section. This modular design permits the dichroic lamphouse to be installed on the B-66 at any time and without modification.

The Pro-Lab B-66 is Omega's finest rollfilm condenser enlarger for all negative formats to 2¼" square. It represents the experience and know-how gained in over forty years of designing and manufacturing professional photographic enlargers.

Advanced engineering, use of the finest materials, and quality construction ensure excellent performance and a long service life.

INSTANT ACCESS LAMPHOUSE

The speed and convenience of the Pro-Lab B-66 owes much to a modern lamphouse design incorporating a light-tight sliding front panel. Raising this panel affords instant access to all optical system components. This makes condenser adjustment, filter insertion or lamp change fast and effortless.

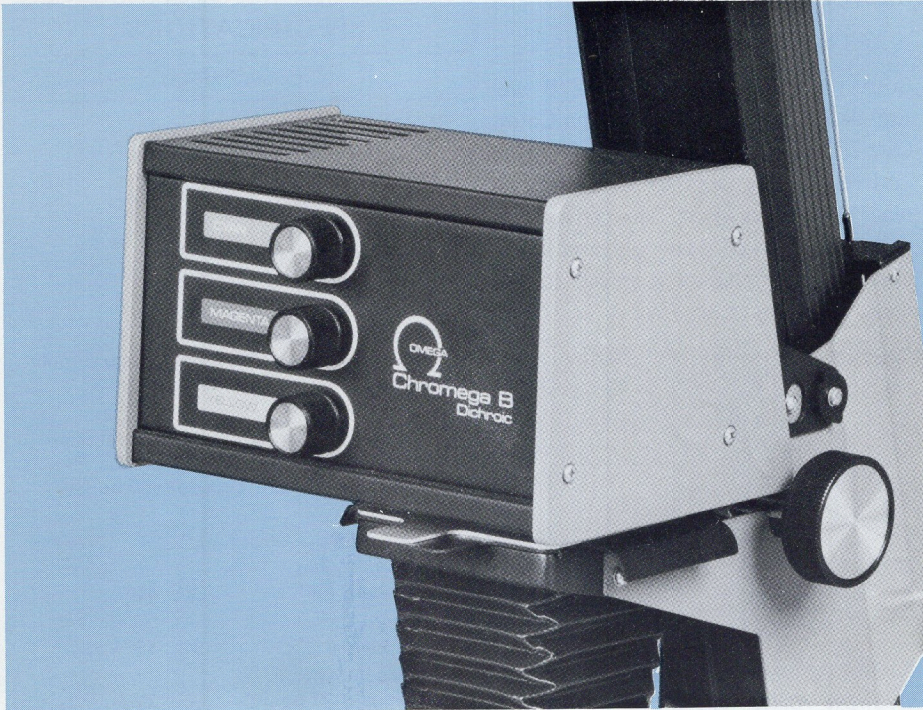


UNIQUE LAMPHOUSE CHANNEL SYSTEM

The precision die cast lamphouse side-plates incorporate a unique system of locating channels which accurately position the condensers, filter drawer and accessory heat absorbing glass. Each of these components slides easily in its channels for fast insertion or removal and exact positioning.

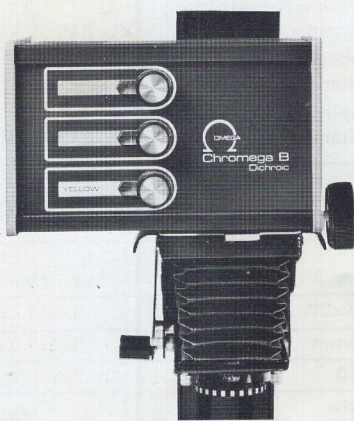
CHROMEGLA B and B-XL

2¼" x 2¼" Dichroic Color Enlargers



The world-famous Super Chromega D and E dichroic color enlargers are standard in professional color laboratories everywhere. The advantages that these enlargers offer are now available to the home color darkroom enthusiast in the Chromega B Dichroic.

This enlarger is built with the same care and to the same quality standards as the Super Chromegas and has many of their features.



CONVENIENT COLOR CODED CONTROLS

Filtration is set by color coded controls and read on magnified and illuminated scales. Scales are calibrated in increments of CC .01.

0-170 HIGH-RANGE DICHROIC FILTRATION

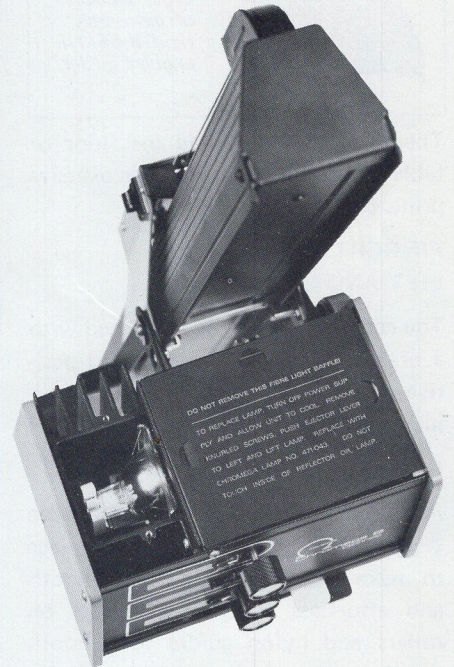
Continuously variable color correction from 0-170; a density range unprecedented in 2¼" x 2¼" color enlargers. This eliminates the need for awkward filter packs. The enlarger uses the same second-generation dichroics as featured on professional Super Chromega models.

POSITIVE ZERO DETENTS

The zero filter positions incorporate a detent to provide a positive indication when filters are totally removed from light path. This is especially important to avoid accidental cyan filtration or when using the enlarger for black and white.

QUARTZ-HALOGEN ILLUMINATION

The Chromega B uses the proven mono-lamp illumination system. A special 75-watt, 27 volt quartz halogen lamp (Cat. No. 471-043) with integral dichroic reflector gives fast printing speeds for short exposures and outstanding print quality. It will not blacken with age so light output and color temperature remain constant.



Lamphouse top cover removed to show lamp.

This economical lamp has an average operating life of about 50 hours when used either with the optional voltage stabilized power supply or the accessory 75 watt stabilizer.

BLACK AND WHITE PRINTING

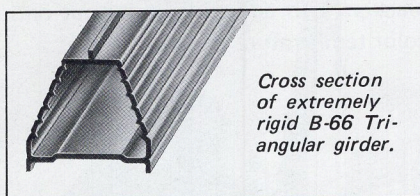
The Chromega B Dichroic is a true universal enlarger in that it is equally suitable for color and black and white work. The diffused light source yields excellent print quality and the dichroics can be used for precise contrast control in conjunction with variable contrast black and white papers.

THE PRO-LAB B-66 AND CHROMEGA FEATURE QUALITY CONSTRUCTION AND FUNCTIONAL CONTROLS

These two enlargers share the same chassis and lamphouses are completely interchangeable without modification. The many chassis features include:

NEW INCLINED REVERSIBLE UPRIGHT

The enlarger's backbone is an extremely rigid girder with a new, larger, triangular cross section for added strength and vibration resistance. It has the time tested 15° inclined mounting for maximum projection area on the baseboard.



Cross section of extremely rigid B-66 Triangular girder.

The girder is reversible for floor or table projection when making oversize prints or murals.

FINGERTIP OPERATED LIFT AND LOCK

The carriage lift lever is combined with a brake assembly for simple and positive operation. Lift or depress to adjust magnification and twist to lock!

COUNTERBALANCED CARRIAGE

A recessed counterbalance offsets the weight of the lamphouse and carriage to make magnification control smooth and effortless. The carriage rides on rollers and nylon guides for smooth travel and proper alignment.

FRICTION DRIVE BELLOWS FOCUSING

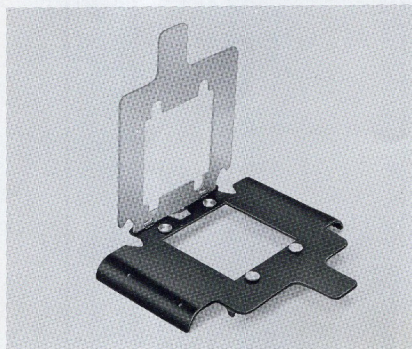
Focusing is through a precision friction drive, operated by a large knurled knob. In addition, the use of a long, 6" bellows provides maximum focusing and reduction range without accessories. And bellows focusing means that lens aperture scales always remain centered since the lens does not rotate as with helicoid mounts.

HIGH PRESSURE LAMINATE BASEBOARD

The baseboard is made from dense, warp-resistant composition with high pressure laminate on both top and bottom surfaces. Edges are fully protected by heavy vinyl banding. The white finish is easy to focus on and wipes clean with a damp cloth.

A BETTER NEGATIVE CARRIER

Both the B-66 and Chromega B are supplied with special Chromega Color Carriers. These have stainless steel undercut guide pins to hold film in place during transport. The carriers are spring hinged to open automatically when the lamphouse is raised to advance to the next negative.



Chromega Color Carrier for B-66 and Chromega B enlargers.

In addition, carriers are notched to position themselves correctly on the negative stage and have a special finish; black on the bottom for reflection suppression and white on top for greater light efficiency.

A CHOICE OF STANDARD OR EXTRA LONG (XL)

Both the Pro-Lab B-66 and the Chromega B are available in standard or XL models. The Extra Long enlarger has a longer girder and oversize baseboard for greater magnifications. Specifications are listed below.

TWO-LENS PACKAGES FOR EXTRA SAVINGS

All models are available in combination outfits with a choice of 50mm and 75mm lenses, two twist lock lensboards, two negative carriers and a

dust cover. These outfits offer significant savings and provide the enlarger accessories needed for both 35mm and 2¼" x 2¼" enlarging.

SPECIFICATIONS

CHROMEGA B

Maximum Negative Format:

2¼" x 2¼" (6x6cm)

Color Correction:

CC 0-170, Cyan, Yellow, Magenta

Filter Type:

Dichroic

Power Requirements:

120VAC, 50/60 Hz.

Voltage Stabilization:

Optional Voltage Stabilized Power Supply or accessory voltage stabilizer.

Lamp:

Quartz-Halogen lamp with integral dichroic reflector. 75W 27V. (Cat. No. 471-043). Lamp life approx. 50 hours.

Cooling:

Radiation by "Heat Sink"

Maximum Height:

Standard 38" XL 49"

Baseboard Size:

Standard 16"x20" XL 18"x26"

Shipping Weight:

Standard 27 pounds XL 32 pounds

PRO-LAB B-66

Maximum Negative Format:

2¼" x 2¼" (6x6cm)

Power Requirements:

120VAC 50/60 Hz.

Lamp:

GE/Omega 75W (Cat. No. 471-038)

220V Lamp, optional (Cat.No. 471-041)

Maximum Height:

Standard 40" XL 51"

Baseboard Size:

Standard 16"x20" XL 18"x26"

Shipping Weight:

Standard 25 pounds XL 30 pounds

BASEBOARD MAGNIFICATIONS

Neg. Size	Lens	Min.	"Std." Max.	"XL" Max.
2¼x2¼	75mm	1x	7.6x	11.1x
35mm	50mm	.5x	12.5x	17.7x
110	35mm	.35x	18.5x	26x
Sub-miniature	25 or 28mm	.2x	27x	36x

Specifications subject to change without notice.

BERKEY MARKETING COMPANIES, INC.
OMEGA DIVISION

