BPI Solar Color™4L Automatic Gradient Lensor™

For use only by qualified personnel in a laboratory environment.

Due to high operating temperature, access should be restricted.

BPI does not warrant the use of non-BPI products in this instrument.

Specifications

The Solar Color 4L EGL™ Gradient System (BPI# 14801. 220v: BPI# 214801) combines 4 independently controlled 5-Stroke Gradients into one unit which is easily positioned behind the Solar Color 4L dye unit. The main ON/OFF switch controls power to all 4 gradients.

HEIGHT	WIDTH	LENGTH	VOLTAGE	WEIGHT	FUSE	AMPERAGE
19 in.	12.75 in.	22 in.	115 or 220 v.	37 lbs	1 amp/250v.	1 amp
48.26 cm	32.38 cm	55.88 cm		16.78 kg		

THE SET-UP KIT INCLUDES THE FOLLOWING PRODUCTS:

- Four nylon swivels
- Eight thumbscrews
- Four ¼ inch rods
- Four BPI Lens Holder II™
- Four L-rods
- Four gradient tips
- Instruction manual

Assembly

1. Place the gradient motor chassis behind the Solar Color 4L™ dye unit. Slide the gradient forward until the skirt makes contact.
2. As you face the gradient chassis, note that each gradient has an opening (slot) with the end of a pivot arm behind each slot. The pivot arm is threaded so that an aluminum arm can be screwed into each one.
3. Place a nylon swivel on each aluminum arm. The thumbscrew is used to lock the swivel into the desired position.
4. Attach a stainless steel "L" rod to each swivel. A plastic end cap is supplied to prevent the lens holder from slipping off the "L" rod when the gradient is in motion.
5. Plug the gradient unit into a properly grounded electrical receptacle (220 volt model is shipped without a plug). Turn the main power switch ON (light in switch should come on).

Testing Shut-off Switch

With the 5-Stroke selector switches in the ON (gradient) positions, turn each timer past the 5 minute position and then return to "0" time. When the timer is turned on, each corresponding motor should start and continue to run after the time is set to "0" until one complete cycle is performed (arm returned to the highest point in the cycle). For gradient operation this removes the lens from the dye bath automatically after the set time has expired.

Testing Solid Switch

With the 5-Stroke selector switches in the OFF (solid) positions, turn each timer to 5 minutes. The corresponding motor should start and continue the cycle until each arm is at the lowest point of its travel and then stop. After the set time has expired, the cycle will continue until the arm is once again at the highest point of its travel. This permits the tinting of solid colors under timer control.

Dye unit sold separately

BPI Solar Color™4L Automatic Gradient Lensor™

Using The Gradient

A typical lens gradation will extend from the top of a lens to the middle. Remember that for tinting purposes the lens is placed upside down in the lens-holder. The vertical position of the tint is determined by moving the "L" rod up-and-down in the nylon swivel.

This adjustment should be made in the first cycle into the dye and then secured by the thumbscrew. The amount of vertical travel (how much of the lens is to be tinted) depends on the distance the swivel is in-or-out along the aluminum arm.

The further out on the arm, the greater the vertical travel (dip), and a more subtle gradient is the result. This position is locked with the other thumbscrew.

Tinting times are rapidly learned with experience. For a first estimate set the timer on approximately 8 minutes for dark shades and 3 minutes for light tints.

Always be sure to turn the timer past 5 minutes and then back to a lesser number when doing light tints to ensure that the timer spring is properly wound.

Questions? Ordering...

If you have any questions about the use of your gradient system or any other BPI product, or would like to order supplies, please give us a toll-free call using the number for your area.

BPI Solar Color 4L™ Automatic Gradient Lensor™

BPI# 14801 (115v)
BPI# 214801 (220v)