

Product Specifications:

Kelvin Temperature	2720 - 3520
Model Number	ECO-150
Lamp Type	EKE OR EJV (150 watts)
Color	Beige
Height	4"
Width	7"
Depth	8"
Weight	6 1/2 lbs.
Voltage Rating	120 Volts @ 2.5 Amps

BULB CHARACTERISTICS AT DIFFERENT KNOB SETTINGS:

KNOB SETTING	LIGHT OUTPUT	EJV BULB		EKE BULB	
		BULB LIFE	COLOR	BULB LIFE	COLOR
.2	20% (30W)	-	2870 K	-	2720 K
.3	30% (45W)	-	2945 K	-	2795 K
.4	40% (60W)	1400 HR.	3120 K	7000 HR.	2970 K
.5	50% (75W)	560 HR.	3180 K	2800 HR.	3030 K
.6	60% (90W)	280 HR.	3240 K	1400 HR.	3090 K
.7	70% (105W)	160 HR.	3280 K	800 HR.	3130 K
.8	80% (120W)	96 HR.	3310 K	480 HR.	3160 K
.9	90% (135W)	56 HR.	3360 K	280 HR.	3210 K
1.0	100% (150W)	40 HR.	3400 K	200 HR.	3250 K
1.2	120% (180W)	16 HR.	3520 K	80 HR.	3370 K

Warrantee

The ECO-150 is guaranteed to be free of manufacturing defects for a period of one year(excludes lamp).

MODEL ECO-150 / 180 WATT FIBER OPTIC LIGHT SOURCE



OPERATING INSTRUCTIONS

Specifically designed for use with Fiber optics, the ECO-150 is a convenient source of intense light. The ECO-150 can be used for a wide variety of applications in many configurations some of these are:

- With Standard Flexible Light Guides.
- As Part Of Microscope Lighting Systems.
- With Boroscopes.
- With Custom Light Guides.

The quartz-halogen lamp provides economical, high intensity light. Light intensity can be precisely set by turning the control knob. Heat is dissipated by a cooling fan, keeping the unit at a comfortable temperature.



9655 SW Ventura Ct., Tigard, OR 97223-9168
503-244-7479 Fax 503-244-7644

Attaching Light Guides to the ECO-150 Light Source

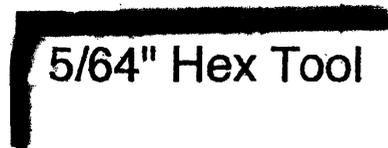
A .620" diameter receptacle is provided for attachment of the fiber optic light guides. Specialty light guides, microscope lighting systems and light guides with .620" diameter end tips will fit into the receptacle.

Insert the light guide tip into the receptacle on the front of the light source. If a bifurcated light guide is being used with the unit, make certain that the shoulder of the light guide is seated in the slot of the light guide receptacle for extra holding power.

Set screws are used to hold the light guide tip in the receptacle. Using the 5/64" hex tool below, tighten the set screws until they are tight against the tip of the light guide.

Caution:

Be careful not to over tighten set screws.



5/64" Hex Tool

Replacing the Lamp

1. Turn the ECO-150 off and unplug the unit.
2. Remove the thumbscrew from the top of the unit and pivot the top cover backward.
3. The lamp is removed by pushing the wire extractor lever to the rear of the unit which will push the lamp out of the socket automatically. It is then easily removed by hand.

Caution: Do not remove hot lamp with bare fingers.

4. Replace the lamp by sliding it into the socket making sure the pins are correctly aligned. Be certain the lamp is completely seated in the socket and centered on the mounting flange at the front of the lamp.
5. Pivot the top cover forward and replace the thumb screw.

LAMP LIFE

The EKE, 150 watt lamp has a life of 200 hours (@ 1.0 power) and the EJV, 150 watt lamp has a life of 40 hours (@ 1.0 power). Operating in the red zone (1.2, which is 180 Watts) will shorten the lamp life. The life can be extended by using lower levels of illumination. Allowing unit to cool before moving will also extend lamp life.

Parts And Repair Available:

- * Replacement lamps
- * Light guides and adapters
- * Repair service