



AC Regulated Fiber Optic Illuminator

S E R I E S A - G E N E R A L P U R P O S E 1 5 0 W A T T

AC power regulation and constant color features ensure consistent color

Regulation circuits automatically correct for fluctuations in input voltage

Integral infrared filter blocks unwanted heat

Mechanical brightness control enables you to vary brightness without changing the color temperature (A2 only)



Side insert filter carrier (wide range of color and neutral density filters available)

Quartz halogen bulbs provide flicker-free illumination

Unique Voltage Stabilization Circuit Description

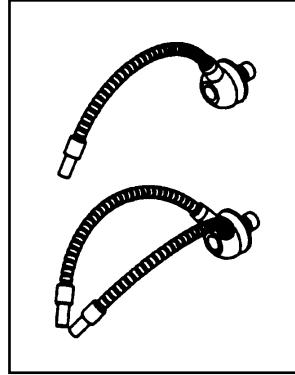
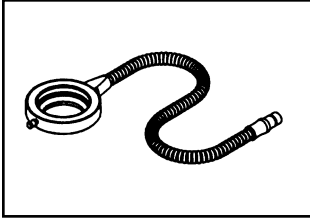
Fluctuations in input voltage are commonly created by conditions both inside and outside facilities. If left uncorrected, these fluctuations will cause changes in the light output of a fiber optic illuminator. These light changes can create problems making precise measurements, when operating a video camera, and in other situations. All Series A illuminators contain a regulation circuit which negates the effect of input voltage fluctuations in order to maintain a consistent voltage at the light bulb.

COMMON USES

Fiber Optic Illuminators are often referred to as "Cold Light" Illuminators because they provide high-intensity, focused light without the heat typically associated with high-intensity lamps.

Common Uses:

- Microscopes and Video Microscopes
- Boroscopes
- Industrial Imaging (Machine Vision)
- Custom Process and Inspection Equipment (Wire Bonders, Laser Welding)



Ideal for video, biomedical and color applications

- Regulation circuits automatically correct for fluctuations in input voltage
- Mechanical brightness control maintains color at any brightness
- High color temperature provides even white light
- Side insert filter carrier (wide range of color and neutral density filters available)
- Integral infrared filter blocks unwanted heat
- Enclosure maintains low temperature
- Over temperature circuit protection
- Low noise and vibration levels

Illuminator Lamp Selection Guide

Part #	EKE	EJA
Color Temperature	3250	3350
Voltage	21 V	21 V
Lamp Life (Hours)	200-2000	40-50
Power Rating (Watts)	150	150
Approx. Shipping Weight	1 oz.	1 oz.

Illuminator Selection Guide

Part #	R150-A1	R150-A2
Mechanical Brightness Control	N/A	Standard
Input Voltage	100-120	
AC Input Power Stabilization	Standard	
Electrostatic Discharge Safe	Optional	
Power Rating (Watts)	150	
Electronic Brightness Control	Standard	
Heat Protection Filter	Standard	
Soft Start Circuitry	Standard	
Filter Holder	Standard – Side insert	
Stackable Enclosure	Standard	
Overtemperature Protection	Standard	
Standard Color	Beige with blue cover	
Standard Lamp	EKE	
Optional Lamp	EJA	
Power Input Module	IEC	
Turbo Range	Standard	
Output Aperture (Inside Diameter)	14.75 mm (mates with TechniQuip “B” Series Light Guides)	
Width	6.6 inches	
Height	4.7 inches	
Length	10.9 inches	
CE	Yes	
UL	No	Conforms to UL 2601
Warranty	1 year	
Approximate Shipping Weight	4 lbs.	

