

# Model DC-950

## Fiber Optic Illuminator

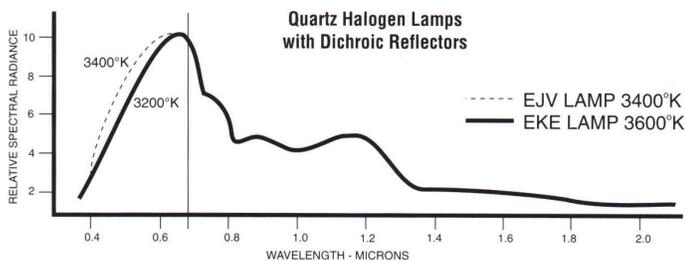


DC-950H

The DC-950 is a cost effective 150W quartz halogen light source designed specifically for machine vision lighting. With its universal 90-250V AC input, it is ideal for use in any region without additional adapters. In addition to the 0 to 100% intensity control and heat absorbing, the basic model features less than 0.4% variation in the power output as compared to typical 2% variance in non-regulated or AC-regulated illuminators.

The DC-950 maintains a compact size, while offering features such as linear remote intensity control, Universal AC input power and color filtering capabilities. The nosepiece is compatible with all Dolan-Jenner standard fiber optic configurations.

An optional iris and filter mount package (included with certain models) allow for control of the color temperature and inclusion of an additional 1" diameter filter. Built-in remote interface permits precise intensity control of output power via 0-5VDC analog input or an 8 bit digital interface.



- DC Regulated  $\pm 0.5\%$
- Remote Capability
- High Power Wide Spectrum Lamp

### Model DC-590 Features:

- RoHS compliant
- Light output regulation of  $\pm 0.5\%$  or better
- 0-5 VDC linear remote control interface, with optional digital interfaces
- Solid state intensity control (0-100%)
- Universal AC input power
- BV (curtis-strauss) 61010-1 3rd Edition, CE, RoHS
- Color Filtering Options
- Easy Lamp Change
- Cool housing and nosepiece temp.
- Small Footprint
- 2 Year Warranty

### Configurations:

- 15mm ID accepts "M" light guides
- 25mm ID accepts "SX" and "MX" series
- 25mm ID with manual Iris accepts "SX" series adapters



**WARNING:** This product can expose you to ethylbenzene which is known to the State of California to cause cancer (For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov))

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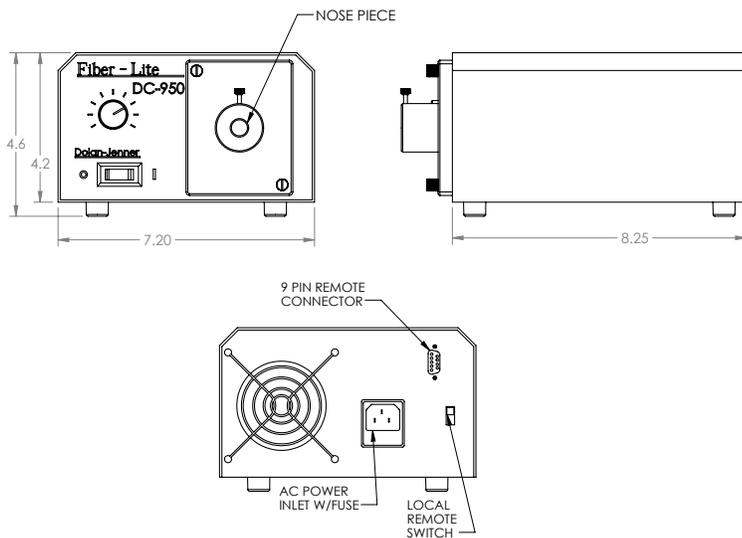
### ORDERING INFORMATION

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Model	Power Cord		Nosepiece		Filter					
DC-950	0	115V (N. America)	H	25mm		No Filter				
	1	230V (Euro)	HB	15mm	F	IR Filter Included				
	4	230V (UK)	HR	25mm with Iris						

### GENERAL SPECIFICATIONS

Performance Data	
Lamp	EKE 150 Watt, 21 V, quartz halogen
Lamp Output	1750 Lumens, at fiber optic intersection plane
Electrical Data	
Input	100-240 VAC 50/60 Hz Univ. AC
Fuse	3 AMP, 250V, Slo-Blow
Physical Description	
Dimension	7.25" x 9.50" x 4.69"
Weight	11.5 lbs.
Intensity Control	Solid State 0 - 100%
Lighting Properties	
Lamp Life	200 hrs. at full intensity / up to 10,000 hrs. at lower levels
Color Temp.	3250° Kelvin at max. intensity
Fiber Optic Interface	DC950H - 1.0 in. dia. DC950HB- 15.0 mm. dia.
Light Output Regulation	± 0.5% or better
Output Ripple	0.4% or better
Remote Intensity Control	0-5 VDC analog, optional 8-bit digital, see operating manual for details
Replacement Lamp Socket	(Quick Disconnect) 68600902770
Certifications	
CE, RoHS BV (Curtis Straus) 61010-1 3 <sup>rd</sup> ed.	

### DIMENSIONS



### FIBER OPTIC INTERFACE OPTIONS



DC-95x-	-H	-HF	-HB	-HBF	-HR
Fiber Input Diameter	25mm	25mm	15mm	15mm	25mm w/ Iris
Manual Iris	NO	NO	NO	NO	YES
IR Filter & Holder Included	NO	YES	NO	YES	YES
Accepts Fiber Adapters	SX-, MX-	SX-, MX-	SX-5B, SX-6B	SX-5B, SX-6B	SX (non B)
Direct Fit for 15mm "M" Fiber Optics	No	No	Yes	Yes	No

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