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 ±0.5%
- Remote Capability
- High Power Wide Spectrum Lamp

Model DC-590 Features:

- RoHS compliant
- Light output regulation of ±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-straus) 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
Model DC-950
Fiber Optic Illuminator

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>DC-950</th>
<th>Voltage</th>
<th>Nosepiece</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>115V</td>
<td>H</td>
<td>25mm No Filter</td>
</tr>
<tr>
<td>1</td>
<td>230V (Euro Cord)</td>
<td>HB</td>
<td>15mm</td>
</tr>
<tr>
<td>4</td>
<td>230V (UK Cord)</td>
<td>HR</td>
<td>25mm with Iris</td>
</tr>
</tbody>
</table>

**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, 3rd ed.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Fiber Input Diameter</th>
<th>DC-95x-</th>
<th>-H</th>
<th>-HF</th>
<th>-HB</th>
<th>-HBF</th>
<th>-HR</th>
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</thead>
<tbody>
<tr>
<td>Fiber Input Diameter</td>
<td>25mm</td>
<td>25mm</td>
<td>15mm</td>
<td>15mm</td>
<td>25mm w/ Iris</td>
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<tr>
<td>Manual Iris</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td></td>
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<tr>
<td>IR Filter &amp; Holder Included</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
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<td></td>
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<tr>
<td>Accepts Fiber Adapters</td>
<td>SX-, MX-</td>
<td>SX-, MX-</td>
<td>SX-5B, SX-6B</td>
<td>SX-5B, SX-6B</td>
<td>SX (non B)</td>
<td></td>
</tr>
<tr>
<td>Direct Fit for 15mm “M” Fiber Optics</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**FIBER OPTIC INTERFACE OPTIONS**