

**DOLAN-JENNER INTRODUCES THE FIBER-LITE® DC950H  
MACHINE VISION ILLUMINATOR**

*150-WATT Quartz Halogen Fiber Optic Illuminator*

*Now has higher output, even greater reliability and is RoHS compliant!*

Dolan-Jenner Industries of Boxborough, MA is a leading manufacturer of fiber optic components and fiber optic illumination systems that serve the microscopy, imaging and machine vision industries. Dolan-Jenner is pleased to introduce the new and improved Fiber-Lite® DC950H Machine Vision Fiber Optic Illuminator for machine vision applications.

The DC950H is better than ever! Now with higher output, improved reliability and RoHS compliance! At Dolan-Jenner, we are doing our part to build a better product for our customers and for the Environment.

The DC950H is a 150-watt quartz halogen regulated illuminator. It features DC regulated output, fast lamp response, and a 0-5 VDC remote intensity control interface with linear voltage adjustment (8 bit D/A module available). It can be operated remotely and offers remote notification of lamp failure to decrease downtime.

The DC950H is made with a stackable heavy duty steel housing and mounting capability. The front panel can be accessed easily for fast lamp changes. Several illuminating options are available with the DC950H, including: color filtering, manual iris (for intensity adjustment at a constant color temperature) and an analog or digital remote interface. The nosepiece is compatible with all standard Dolan-Jenner fiber optic configurations and adapters are available for others.

**About Dolan-Jenner Industries:**

For over 40 years, Dolan-Jenner Industries has been manufacturing Fiber-Lite® fiber optic illumination systems for microscopy, imaging and machine vision applications.

The company is unique in that it designs, engineers and manufactures fiber optics all within a single facility. Dolan -Jenner's Fiber-Lite instruments and custom product applications are used in a variety of industries including packaging, materials handling, automotive, printing, food, metals, and semi-conductor manufacturing, and include research, laboratory, industrial, medical, and pharmaceutical markets. For more information about Dolan Jenner, contact Dolan-Jenner, 159 Swanson Road, Boxborough, MA 01719; call 1-800-833-4237, or e-mail: [jnardone@dolan-jenner.com](mailto:jnardone@dolan-jenner.com).

- 2x Light Output!
- Rohs Compliant!



## MODEL DC950H

### 150 Watt, Machine Vision Fiber Optic Illuminator

The Fiber-Lite DC950H now offers up to 2X the output of the current DC950, even greater reliability and is now RoHS compliant!

The DC950H is a cost effective 150 watt quartz halogen light source designed specifically for machine vision lighting. The DC950H features a DC-regulated output, which is stabilized to +/- 0.5 %. Precise regulation is essential for machine vision applications, where variation in input line voltages would otherwise effect the image capture.

The DC950H maintains a compact size, while offering features such as a linear remote intensity control option, Universal AC Input Power, and color filtering capability. The nosepiece is compatible with all of our standard fiber optic configurations.

For assistance in choosing the right fiber optic light guide, call our Applications Engineering Group @ 800-83-FIBER.

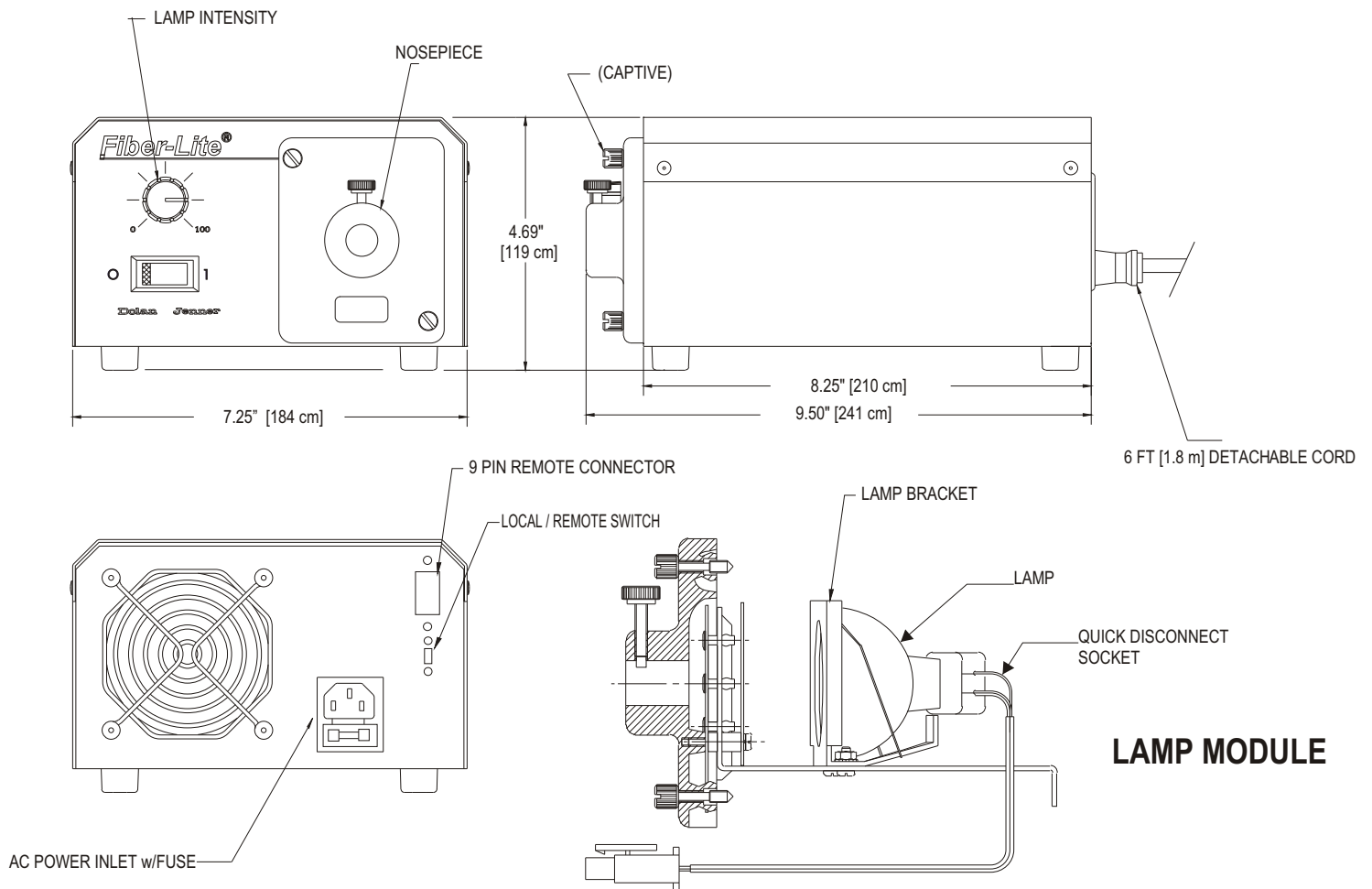
#### FEATURES:

- 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
- UL/c-UL, FCC and CE
- Color filtering options
- Optional Mounting Brackets
- Easy lamp change
- Cool housing and nosepiece temperature
- Small foot print
- 2 Yr. Warranty

#### TECHNICAL INFORMATION:

<b>Input:</b>	100 - 240 VAC 50/60 Hz Universal AC Input
<b>Lamp:</b>	150 Watt, 21 V, EKE quartz halogen
<b>Color Temperature:</b>	3200° Kelvin at max. intensity
<b>Lamp Life:</b>	200 hrs. at full intensity/ up to 10,000 hrs. at lower levels
<b>Fiber Optic Interface:</b>	DC950H - 1.0 in. dia. DC950HB - 0.59 in. dia.
<b>Light Output Regulation:</b>	+/- 0.5% or better
<b>Output Ripple:</b>	0.4% or better
<b>Intensity Control:</b>	solid state 0-100%
<b>Remote Intensity Control:</b>	0-5 VDC analog, optional 8-bit digital or RS232
<b>Dimensions:</b>	7.25" x 9.50" x 4.69"
<b>Weight:</b>	11.5 lbs.
<b>Approvals:</b>	UL/c-UL, FCC, CE, CB, RoHS

## DIMENSIONAL DRAWINGS



- ➔ Machine Vision Lighting • *Backlights (QVABL Full Size and QVMABL Miniature)*
  - *Line Lights (QF Single and QDF Dual)*
  - *Diffuse On-Axis Lighting (AI-2 and AI-4 Models)*
- ➔ Microscopy Illumination • *Ringlights*
  - *Dual & Single*
  - *Self-supporting*
- ➔ Custom Fiber Optics for • *Glass, Quartz & Plastic*
  - *Sensing & Illumination*

# Dolan-Jenner

*industries*

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