Fiber-Lite®

Dolan-Jenner®

Model LMI-6000
LED Fiber Optic Illuminator

Dolan-Jenner introduces the Fiber-Lite® LMI-6000, LED Fiber Optic Illuminator for microscopy and general illumination. The LMI-6000 utilizes the latest technology and is energy efficient, featuring white LED lighting with a daylight color temperature of 6000K and even higher output than the150 watt halogen fiber optic illuminators.
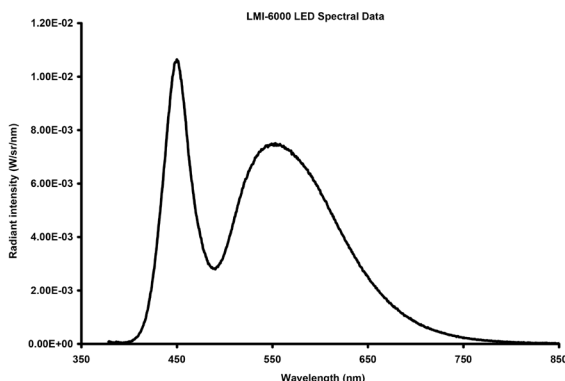
Microscopy Applications

The Fiber-Lite® LMI-6000 was designed with microscopy applications in mind, able to support and fully illuminate gooseneck and annular ring light fiber optics. It is also a great solution for inspection equipment, forensics, machine vision, industrial borescopes, assembly stations, and OEM custom lighting. Optimized and ideal for applications with 5 mm fiber optics cables.

LED Lighting

The LED lighting of the Fiber-Lite® LMI-6000 is an energy efficient cost saving alternative requiring less power while delivering higher performance than comparable 150 watt halogens. Offering even more value, the Fiber-Lite® LMI-6000 is practically maintenance free with no lamps to fail, and no lamp sockets to wear out. The long life LED's of Fiber-Lite® LMI-6000 are rated to provide over 30,000 hours of light. Conversely, a 150 watt halogen can only provide around 200 hours of light. With such a dramatic increase in light hours, large savings can be realized through greater up time during applications, lower maintenance, and the elimination of replacement bulbs.

Accessories

The B1 (15mm), and A2 (25mm) nosepiece adapters make this a drop in replacement and compatible with all standard Dolan-Jenner Mi-150 and 180 series fiber optic light guide configurations. Furthermore, the Fiber-Lite® LMI-6000 has a universal voltage input of 100-240 VAC, and is RoHS compliant & CE Certified.

LMI-6000-US-B1

- **High Power White LEDs**
- **Consistent Color Temperature**
- **Universal Power Supply**

Model LMI-6000 Features:

- Excellent Light Output Uniformity
- Low (IR) Heat
- Low Energy Consumption
- Multiple Fiber Optic Interface Options
- Small Footprint
- 1 Year Warranty
- Sealed Optics & LED's for Operation in Industrial Environments

Configurations:

- 15mm ID accepts "Mi-150" light guides
- 25mm ID accepts "SX" and "MX" series

LMI-6000 LED Spectral Data

Radiant Intensity (W/sr/nm) vs Wavelength (nm)

Model LMI-6000
LED Fiber Optic Illuminator

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ORDERING INFORMATION

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Model	Cord		Option	
LMI-6000	US	North American Cord	B1	15mm
	EU	European Cord 230V	A2	25mm
	UK	United Kingdom 230V	A7	25mm w/ Iris
			DG	Dual Gooseneck Fiber
			SG	Single Gooseneck Fiber
			RA	Nikon SMZ Ring Light
			RB	66mm Ring Light
			RD	Olympus SZ Ring Light
			RG	Leica S4 Ring Light
			RL	60mm Ring Light

GENERAL SPECIFICATIONS

Lighting Properties	
Light Output	780 Lumens*
Lighting	High Power White LEDs
Input Voltage	100-240 VAC 50/60 Hz
Color Temperature	Typical: 6000 K
LED Life	30,000 hours D65
Fiber Optic Interface	15 MM or (25 mm optional)
Environmental Data	
Operating Temperature	0-40⁰C
Cooling	Fan Cooled
Physical Description	
Intensity Control	15 Step
Dimension/Weight	3.9"W X 51"H X 7.0" DP/6.5lbs
Approvals	CE, RoHS

*Based on 8mm diameter at fiber insertion plane

FIBER OPTIC INTERFACE OPTIONS

LMI-6000-US-A2

LMI-6000-US-B1

SYSTEMS

	LMI-6000-US-RL	LMI-6000-US-RB	LMI-6000-US-SG	LMI-6000-US-DG
Fiber Optic Assembly Included	60mm ID Ring Light with 36" Cable	66mm ID Ring Light with 36" Cable	Single Gooseneck with Focusing Lens	Dual Gooseneck with 2 Focusing Lenses
Fiber Optic Assembly	0.55NA High Quality Glass Fibers (A3739M)	0.55NA High Quality Glass Fibers (LP25A36M)	0.55NA High Quality Glass Fibers (BG2820M)	0.55NA High Quality Glass Fibers (EEG2823M)
100V-240V Universal Input	√	√	√	√
CE, RoHS	√	√	√	√
Warranty	1 Year	1 Year	1 Year	1 Year
Filters	Not Available	Not Available	Not Available	Not Available