

# Model Mi-LED

## LED Fiber Optic Illuminator

Dolan-Jenner introduces the New Fiber-Lite® Mi-LED, LED Fiber Optic Illuminator for microscopy and general illumination. The Mi-LED utilizes the latest technology and is energy efficient, featuring cool white LED lighting with a "customer requested" color temperature of 5000K and even higher output than the Fiber-Lite Mi-150, 150 watt halogen fiber optic illuminator.

### Microscopy Applications

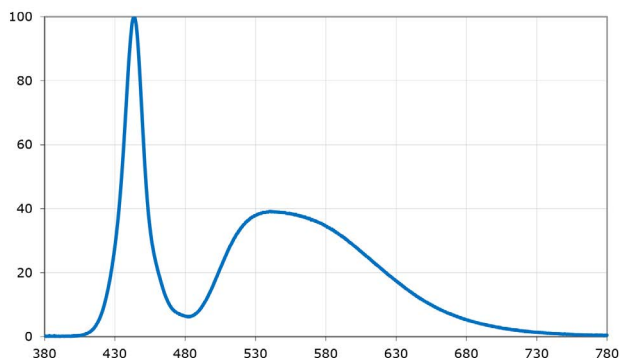
The Fiber-Lite® Mi-LED was designed with microscopy applications in mind, able to support and fully illuminate gooseneck and annular ring light fiber optics. It is also a great solution for inspection equipment, forensics, machine vision, industrial borescopes, assembly stations, and OEM custom lighting.

### LED Lighting

The LED lighting of the Fiber-Lite® Mi-LED 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® Mi-LED is practically maintenance free with no lamps to fail, and no lamp sockets to wear out. The long life LED's of Fiber-Lite® Mi-LED are rated to provide over 40,000 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), A2 (25mm) and A7 (iris) 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® Mi-LED has a universal voltage input of 100-240 VAC, and is RoHS compliant & CE Certified.



Mi-LED-US-B1

- High Power White LEDs
- Consistent Color Temperature
- Made in the U.S.A.

### Model Mi-LED Features:

- Universal Power Supply
- Low (IR) Heat
- Low Energy Consumption
- Stackable Housing
- Multiple Fiber Optic Interface Options
- Small Footprint
- 2 Year Warranty

### Configurations:

- 15mm ID accepts "Mi-150" light guides
- 25mm ID accepts "SX" and "MX" series
- 25mm ID with manual Iris accepts "SX" series adapters

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**Dolan-Jenner®**

### ORDERING INFORMATION

M	I	-	L	E	D	-			-		
Model	Cord		Option								
MI-LED	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

Physical Description		Performance Data	
Dimension	7.0" W x 4.9" H x 8.8" DP	Light Output	2000+ Lumens (12.7mm aperture)
Weight	6 lbs.	Lighting	High Power White LEDs
Intensity Control	Variable 10 - 100%	Noise Rating	<30 dB
Lighting Properties		Electrical Data	
LED Life	40,000 Hours D70	Input Voltage	100-240 VAC 50/60 Hz
Color Temp.	Typical: 5000 K	Environmental Data	
Certifications		Operating Temp.	5 - 40°C
ETL, CE, RoHS		Cooling	Fan Cooled

### OPTIONAL FIBER OPTIC INTERFACES



Mi-LED-US-A2



Mi-LED-US-A7

### SYSTEMS



	Mi-LED-US-RL	Mi-LED-US-RB	Mi-LED-US-SG	Mi-LED-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	0.55NA High Quality Glass Fibers	0.55NA High Quality Glass Fibers	0.55NA High Quality Glass Fibers
100V-240V Universal Input	√	√	√	√
CE, RoHS, and 61010 3rd Ed. Safety Rated	√	√	√	√
Warranty	2 Years	2 Years	2 Years	2 Years
Filters	Not Available	Not Available	Not Available	Not Available