

# FL-5000 Series LED Fiber Optic Illuminator



## High Performance, Low Cost LED Fiber Optic Illuminator

Meiji Techno America introduces the FL-5000 Series, LED Fiber Optic Illuminator for microscopy and general illumination. The latest technology and energy efficient, the FL-5000 features cool white LED lighting with a “customer requested” color temp of 5000K and even higher output than the FL150, 150 watt halogen fiber optic illuminator.

The FL-5000 Series 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.

The LED lighting of the FL-5000 Series is an energy efficient cost saving alternative requiring less power while delivering higher performance than comparable 150 watt halogens. Offering even more value, the FL-5000 Series is practically maintenance free with no lamps to fail, and no lamp sockets to wear out. The long life LED's of FL-5000 Series 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.

The B1 (15mm), A2 (25mm) and A7 (iris) nosepiece adapters make this a drop in replacement and compatible with all standard FL150 series fiber optic light guide configurations. Furthermore, the FL-5000 has a universal voltage input of 100-240 VAC, and is RoHS compliant & CE Certified.

### Standard Features

- High Power White LEDs
- Consistent Color Temperature
- Excellent Light Output Uniformity
- Designed to Couple to Most Dolan-Jenner Fiber Optics
- Universal Power Supply
- Low (IR) Heat
- Low Energy Consumption
- Stackable Housing
- Quick Change Adapters
- Small Footprint
- 2 Year Warranty

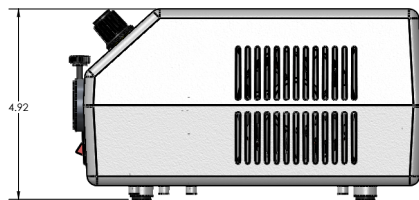
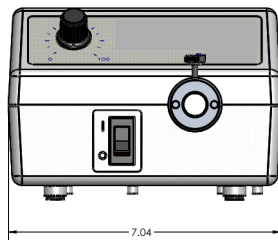
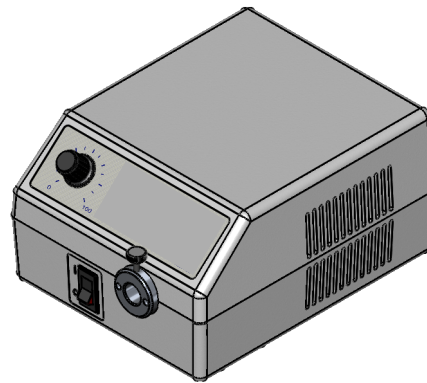
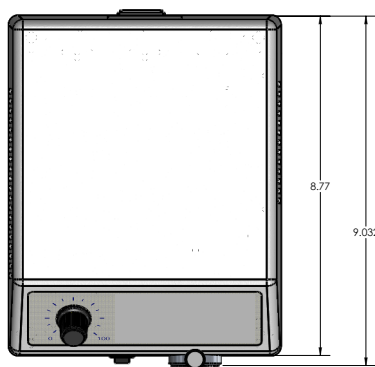
### Accessories & Options

- “B1” Adapter 15 mm ID accepts “MI-150” light guides
- “A2” Adapter 25 mm ID accepts “SX” and “MX” series (preferred) adapters
- “A7” Adapter 25 mm ID with manual Iris accepts “SX” series adapters

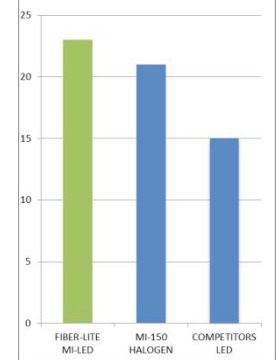
## TECHNICAL INFORMATION

Light Output	2000+ Lumens (12.7mm aperture)
Lighting	High Power White LEDs
Input Voltage	100-240 VAC 50/60 Hz
Color Temperature	Typical: 5000K
LED Life	40,000 Hours D70
Fiber Optic Interface	15mm or (25mm optional)
Operating Temperature	5 - 40°C
Cooling	Fan Cooled
Intensity Control	Variable 10-100%
Dimension/Weight	7.0" W x 4.9" H x 8.8" DP / 6 lbs.

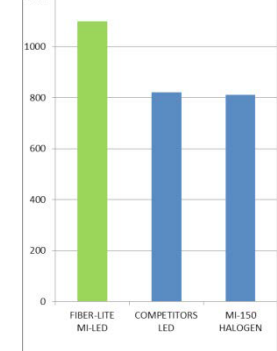
## FL-5000 Series Dimensions



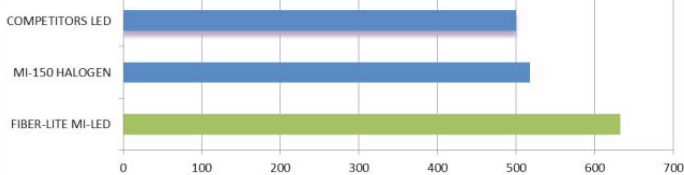
3mm (1/8") Fiber guide



13mm (1/2") Fiber guide



66mm RING LIGHT



DUAL GOOSENECK LIGHT GUIDES

