



Innovative Photonics

UBerLED™ 50

UltraViolet LED Technology

KEY FEATURES

- 10,000 hour Lamp Guarantee
- 2-year Warranty
- Accepts all IT Fiberoptics
- 90-240VAC Operation
- Ultra Compact Design
- 60 Watt LED Lamp
- Stable DC Output
- Standard DIN Rail Mounts
- Easy Change LED Lamp

APPLICATIONS

- UV Curing
- Fluorescence
- Photo Catalysis
- Food Inspection
- Pharmaceutical Production
- Biomedical Diagnostics
- Biotechnology Research
- Photo Etching
- Digital Microscopy



10 Watts OPTICAL Power at 390nm Wavelength

Ultra Bright LED technology (**UBerLED™**) from Illumination Technologies eliminates costly and time consuming relamping - for years. The UBerLED™ series of Ultraviolet LED lightsources provide extremely high output levels of UV light in a much more stable and controllable manner than other UV lamp technologies. More power - more control. And with their longer lamp lifetimes the cost of ownership is significantly less than other UV technologies on the market.

Like all of our standard LED lightsources, the UBerLED™ 50 offers exceptional reliability. The novel design features a full line of field changable receptacle inserts, providing compatibility with most all industry standard UV fiberoptic assemblies. And the IT exclusive heatpipe thermal management system is so efficient and reliable, the unit comes with a full 2-year warranty.

The UBerLED™ 50 also comes in a variety of visible wavelength models including blue, green, red, and white. Custom, OEM and private label versions are also available - contact factory for more information.

Detail Drawing

PART NUMBER **UB50-390-II-000-RR**

II (Interface)

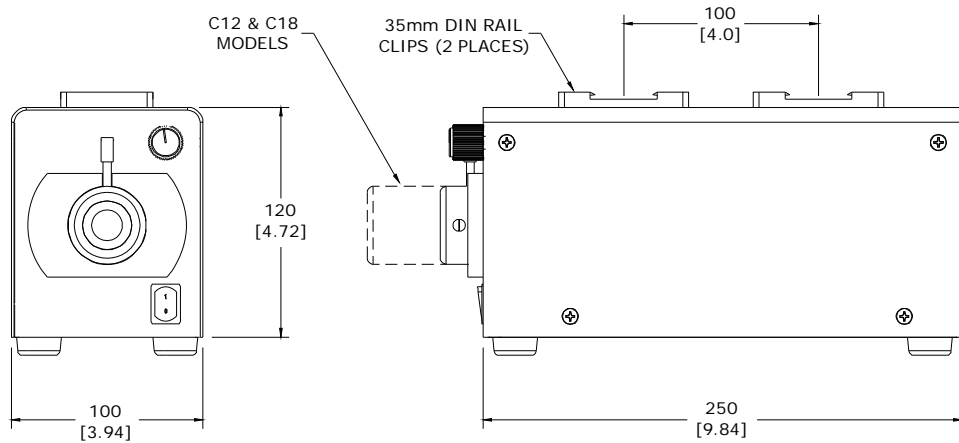
- RS RS232 & FP Pot
- ET Ethernet & FP pot
- US USB & FP Pot
- IO 8-bit I/O & FP Pot
- Blank Front Panel Pot Only

000 (Optics)

- C12 12mm, NA=0.25
- L07 7mm, NA=0.40
- L14 14mm, NA=0.40
- P50 50mm, NA=0.10

RR (Receptacle)

- VO 15mm (0.59")
- FO 18.3mm (0.72")
- LG 20mm (0.79")
- Blank 16mm (0.63")



Technical Specifications

Physical

Height: 135 (5.3")
 Width: 100 (3.9")
 Length: 255 (10.1")
 Weight: 1.8kg (4 lbs)

Output Stability

Short-term: 0.1% (Radiometric)
 Lifetime: < 1% (Radiometric)
 (RS, ET, US, IO models)

Intensity Control

Manual w/Remote Options

Electrical

Input: 90-240VAC 50/60Hz
 Input Power: 120 VA

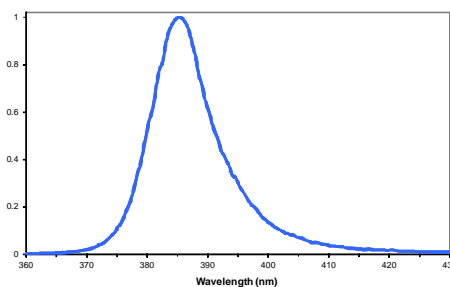
Environmental

Temperature: 0 to 40C
 Relative Humidity: 0 to 95%

Lamp

10,000 Hour LED Lamp
 Field Replaceable

Spectral Output



Regulation Scheme

DC Current
 Regulation: 94% Efficient

Optical

Optical Power: 10W
 Dominant Wavelength: 390nm



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