



ISOLUX

OPTILUX LED ILLUMINATOR

3,000 LUMENS WHITE LED ILLUMINATOR



The Optilux unit is a solid state source of white light intended to be used in Fiber Optic Cable applications, its lack of Ultraviolet (UV) radiation and Infrared radiation (IR), allows for additional uses in cases where UV or IR radiation is not permitted; additionally, its cool operation, high efficiency (lumens per watt rating), high lumens rating and its vastly superior performance in reliability makes it a candidate to replace the low and mid end Xenon and Mercury light sources (<150 watts).

The IsoLux Optilux Light Source is intended to be used with IsoLux fiber optic cables for surgical headlamps and other lighted instruments that contain fiber optic bundles, and other fiber optic cables manufactured specifically for use with LED illumination systems. Illumination from this device when interfaced to an endoscope, could be used for observation of body cavities, hollow organs and other surgical sites. This device is also intended for use as a light source for surgical headlights used in various surgical procedures.

SPECIFICATIONS

APPLICATIONS

<i>Light Intensity</i>	<i>> 3,000 Lumens</i>	- Medical & Endoscopy
<i>LED Life</i>	<i>>50,000 hours</i>	- Dental
<i>Color Temperature</i>	<i>5,500 °K</i>	- Surgical Procedures
<i>Color Rendition Index (CRI)</i>	<i>92 Typical</i>	- Fiber Optic Lighting
<i>Input AC Range</i>	<i>100 to 240 VAC @ 50 to 60 Hz.</i>	- Photo Optic Lighting
<i>Input Power</i>	<i>80 watts Typical</i>	- Scientific Instrumentation
<i>Dimming Range</i>	<i>Electronic >10 to 1</i>	- Solar Simulation
<i>Operating Temperature</i>	<i>-10 to 40 °C</i>	- Spectroscopy
<i>Storage Temperature</i>	<i>-10 to 70° C</i>	- Fluorescent Microscopy
<i>Operating Humidity</i>	<i>20 to 93 % non-condensing</i>	- Industrial Illumination
<i>UL Compliant</i>	<i>IEC 60601-1 Safety Tests</i>	- Projection Systems
<i>FDA Certification</i>	<i>FDA Compliant</i>	- Machine Vision
<i>Weight</i>	<i>9.0 lbs</i>	
<i>Dimensions</i>	<i>5.75" H x 7" W x 11" D</i>	