



MILES: Medical Illumination Light Enhancement System

The surgical environment. There is never enough space. There is never enough light. And no two human bodies are the same. Why settle for a light source that is too big, too weak and can block your access and view? I-Tek Medical Solutions (IMS) offers you the smallest, brightest, most user friendly Illumination Fiber on the market.

The IMS MILES (Medical Illumination Lighting Enhancement System – patent pending) is a proprietary means of safely delivering more light where you need it – directly at the surgical site.

Illumination Fiber:

- Small diameter fiber with minimal encroachment into the surgical access port
- Malleable distal tip allows easily adjusted access route for lighting
- Cool light / minimal or no heat generation at distal tip
- Disposable
- For use with IMS I-150 LED Light Source only
- Patent pending method of delivering light to tissue site resulting in greater light intensity at tissue site and less scattered light outside the target site

LED Light Source:

- Compact size with small footprint
- Light and easily portable
- Infinitely variable light output
- Maintenance free with long lifetime expectancy

I-Tek Medical Solutions
design • develop • manufacture



About I-Tek

I-Tek Medical Solutions (IMS) is a leading edge medical device manufacturer specializing in surgical illumination products and solutions.

IMS offers extensive experience in the development and deployment of enabling medical devices. Our broad network of physicians and laboratory, clinical and industry partners provides us with unparalleled access to creative and useful device solutions.

We manufacture our devices in an FDA GMP compliant facility with ISO 13485:2003 certification. Our employees are experts in medical device design, development, manufacturing and commercialization. We are staffed and equipped to manufacture, test, package and sterilize our devices to world-class standards in quantities you need.

With over 100 years of combined medical device manufacturing experience, the IMS team has collectively designed, developed and commercialized over 150 medical devices. From Class I to Class III devices, we understand the technical challenges of research and development along with the regulatory processes required to release and commercialize our revolutionary medical devices.

IMS is *simply your solution.*

I-Tek Fiber Optic Illuminator

Part Number: I090-001

Item	Specification
Light Output	8,000 Lux @ 3.5" standoff
Length	118" nominal
Distal Termination	Malleable SSTL 0.0725" OD (maximum) x 6" LG
Distal Shape	See Figure 1 Below
Proximal Connector	IMS Single Hand, Snap Connect

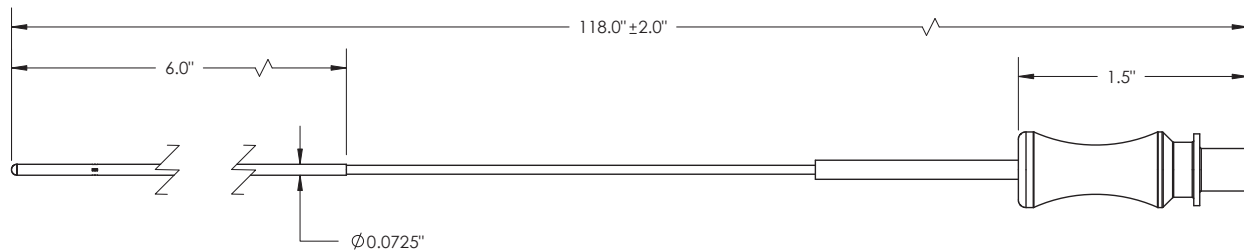


FIGURE 1

I-Tek LED Light Source

Part Number: I071-001

Item	Specification
Light Source Type	LED (Light Emitting Diode)
Output Power	50 Watt
Color Temperature	6500°K
LED Life	50,000 hours (typical)
Light Guide Adapter	For use with IMS Single Hand, Snap Connect product line only
Brightness Control	PWM (Pulse-width Modulation) - 0-100% Dimming
Input Voltage	100-200 VAC, 50/60 Hz
Regulatory Approvals	UL60601-1, CAN/CSA C22.2 No. 601.1 (SUP1+AM2), EN60601-1-2
Equipment Class	Class I, BF-type
Mode of Operation	Continuous
Water Resistance	Not protected, IPX0
Operating Environment (Temperature, Relative Humidity, Air Pressure)	+0° to +40°C (32° to 104°F) • 0 to 85%RH (non condensing) • 0.69 to 1.046 atm
Storage Environment (Temperature, Relative Humidity, Air Pressure)	-20° to 60°C (-4° to 140°F), 0 to 85%RH (non condensing), 0.69 to 1.046 atm
Dimensions	4.65" W x 3.32" H x 7.25"D
Weight	1.14 kg (2.5 lbs.)

