



Test the illumination of endoscopic systems, as a system or as individual components

EndoLume, the endoscope system light meter from Lighthouse Imaging, is designed to be simple to use, yet have enough versatility to measure all parts of your endoscopic illumination system. EndoLume identifies the true source of illumination problems by quantitatively measuring:

- Light output of endoscopic light source - all major brands & types
- Light transmission through fiberoptic light cable - all, connector types
- Light transmission through optical fibers in flexible and rigid endoscopes.



EndoLume is a portable handheld instrument, that consists of a custom-designed integrating sphere and light detector, precision light meter with digital display and adapters to connect with all endoscopic equipment common in medical institutions. Light values are displayed in lumens, the unit measure of luminous flux total amount of visible light.

## EndoLume™



### EndoLume improves the illumination quality of endoscopic systems by:

- Reducing “insufficient light” disruptions in the operating room
- Eliminating unnecessary and expensive lamp replacements
- Troubleshooting system illumination issues
- Verifying the performance of repaired endoscopic equipment
- Determining baseline specifications of new light sources, fiberoptic cables and endoscopes
- Tracking endoscopic equipment quality as a function of time for preventive maintenance

### Included with EndoLume:

All the necessary components to test the illumination of all industry standard light sources, light guides and endoscopes.

- Integrating sphere assembly with integral light meter
- Hard carrying case
- Adapters for Olympus (flexible and rigid), ACMI, Wolf, and Storz style light cables and endoscopes



\*Shown with optional accessories, included in EndoLume measurement kit package.



### Features:

- Rugged and compact design with 5 digit display
- Five foot cable to reach all areas of endoscopy rack
- Patented Optical Bridge™ technology provides accurate endoscopic lightsource measurements
- Built-in color correction filter simulates the spectral response of the human eye
- Calibrated to NIST traceable standards
- Measures light output of both rigid and flexible endoscopes

## We set a higher standard

Lighthouse Imaging Corporation is a leading provider of optical engineering and design services for the medical device industry.

We design, develop and manufacture optical assemblies for the medical device industry and are the leading provider of test and measurement equipment for verifying the optical quality of endoscopes.

Lighthouse Imaging is an ISO 13485:2003 and ISO 9001:2008 certified, FDA registered medical device manufacturer specializing in minimally invasive surgical applications.



**Lighthouse Imaging**  
Because precision is everything

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### Specifications

- Accuracy: 5% of reading
- Measurement range: 0 - 5,000 lumens
- Endoscope diameter range: 2-15mm with included clamping collar; 15-16mm direct connection
- Dimensions: 6.0 x 3.3 x 1.3" (150 x 83 x 32mm)
- Weight (meter & integrating sphere): 13.0 oz (370g)

