



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

Ross Optical Industries, Inc. provides custom, precision-engineered solutions for OEM applications, specialty standard lenses, micro optics and other hard-to-find optics. Customers in biomedical, medical device, R&D, electronics, semiconductors, pharmaceuticals, and military applications look to Ross Optical for its expertise in custom optical and mechanical design, prototyping, coating and manufacturing. Ross Optical is known for cost-effective solutions and offers overseas sourcing, inventory and inspection to reduce supply chain risk for its customers. Ross Optical Industries is ITAR registered and ISO 9001:2015 certified.



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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)

