Lighthouse Imaging Announces Patent for Endolume Endoscopic Test Device

PORTLAND, MAINE -- Lighthouse Imaging Corporation (http://www.lighthouseoptics.com [1]) announces that a key element of its Endolume testing device has been issued Patent #8040496 from the US Patent and Trademark Office. Endolume is a portable handheld device that measures the luminous intensity of endoscopic system light sources as well as light transmission through light cables and rigid or flexible endoscopes. Endolume enables hospital clinical engineering staff to quickly and affordably troubleshoot endoscope system illumination prior to patient procedures. The patent is for the Optical Bridge™, which enables Endolume to measure endoscopic light sources without the use of a light cable, allowing more accurate measurements.
"Operating rooms increasingly are equipped with HD cameras, which have reduced sensitivity and require full light output," says Dr. Dennis Leiner, Lighthouse Imaging Chief Technology Officer. "Endolume is simple to use and enables the biomed to quickly determine if there is enough light to perform the procedure."

In addition to ensuring adequate light, the Endolume also enables hospitals to extend the life of their endoscopic light source, which contain meters to track the hours of use. "Endolume enables hospitals to test bulbs prior to use, and may avoid swapping out expensive bulbs that still have useful life," says Leiner. "This represents a significant savings to hospitals and outpatient facilities."

The Endolume enables biomedical engineers and medical professionals to test their endoscopic equipment quickly, easily, and affordably on site at a medical facility. Lighthouse Imaging also develops EndoBench, a full-featured endoscopic test system for hospitals, and Endobench XT, an endoscopic test system for manufacturers and repair facilities.

About Lighthouse Imaging Corporation
Lighthouse Imaging Corporation has developed endoscopic equipment for leading manufacturers and hospitals since 1984. We are an award-winning provider of optical engineering and design services for the medical device industry with more than 15 patents issued. Our NIST-traceable test equipment is manufactured in the United States at our ISO 9001/13485 certified facility. Lighthouse Imaging was named 2010 Maine Innovator of the Year by the Maine International Trade Center. To view video about the Endolume light meter, visit http://www.youtube.com/watch?v=wLL3Nyq_LsU [2]. For more information about Lighthouse Imaging, please visit http://www.lighthouseoptics.com [1]

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