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High Lumen Output, White LED Light Engine for Lightguide Coupled Applications

Woburn, MA, January 14, 2014 Innovations in Optics, Inc. introduces a new model into its product line of *LumiBright™ FC fiber-coupled LED light engines*. The Model 2400B-510 is an OEM Light Engine that provides high luminous power for optical fiber and liquid lightguides. It will be on display at Photonics West 2014, Booth 2309.

Offering substantial cost and operational advantages, white LEDs are becoming the preferred lightguide illumination sources for many technical applications which were historically dominated by tungsten halogen and arc lamps.

The Model 2400B-510 is designed for fiber and lightguide input apertures sized from 1.0 to 3.0 mm in diameter. The product features patented technologies that encompass non-imaging optics with LED chip-on-board (COB) metallic substrates to provide both optimum luminous efficacy as well as ideal thermal management.

The 2400B-510 is ideally suited for OEM endoscope and microscope illuminator applications. It provides a nominal correlated color temperature of 4700K and can emit up to 600 lumens through its 3 mm diameter aperture with no UV or IR emissions. Typical light engine system accessories include thermal management devices, wire harnesses, and driver/controllers. Custom connectors and lightguide ferrule holders can be designed and manufactured upon request.

Innovations in Optics, Inc. (IOI), founded in 1993 and located near Boston, is widely recognized as a leading innovator in the areas of high brightness LED COB products and illumination engineering and technology. Leveraging a unique, multidisciplinary approach to systems design, the company pushes the technology envelope to develop industry-leading ultra-high brightness LED products. IOI light engines and illumination systems feature patented and patent-pending optics which collect, direct and maximize output efficiency and uniformity, enabling some of today's most revolutionary solutions in cutting-edge technical applications for LED light sources.