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High Power LED Driver Supplies Constant Drive Current Continuously up to 75 Amps

Woburn, MA, June 2, 2015— Innovations in Optics, Inc. introduces the Model 5000A-100 LED Driver/Controller for powering its patented and patent-pending High Power LED Light Engines. The 5000A-100 LED Driver provides constant current in continuous, pulsed or pulsed width modulation (PWM) modes. An embedded system adds network control with 10/100Mbps Ethernet connectivity.

The Model 5000A-100 is intended for OEM applications. Drive current in continuous mode is selectable from 7.5 to 75A at 0.6 to 5.5VDC output. The output current setting is adjustable either locally or remotely from 100% down to 10% using analog adjustment and as low as 1% with PWM. Both analog and digital remote controls are built-in. An RJ-45 Ethernet port for network integration is accessed by end-users with a utility application and an easy to use GUI enables field-programmability.

The 5000A-100 can also be used with third party LED illuminators a constant current, DC to DC driver/controller. Included are I/O connectors for thermistor and photosensor for system monitoring or closed loop intensity control. Operation of cooling fans mounted to the driver as well as the LED illuminator is tied to the +24 VDC input power. The compact driver can be panel or DIN rail mounted.

Innovations in Optics, Inc. (IOI), founded in 1993 and located near Boston, offers high power LED light sources for science and industry that provide maximum photon delivery, illumination uniformity, and stable optical power. IOI products offer system-level advantages over lasers and arc lamps in OEM equipment for many applications. LumiBright™ 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.