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High-Power LED Driver Supplies up to 40A of Constant Current, 50A Pulsed

Woburn, MA, September 23, 2020 — Innovations in Optics, Inc. introduces the Model 5000H switched-mode LED Driver/Controller for powering its patented and patent-pending High-Power LED Light Engines. It can also be used with third party LED illuminators as a constant current, DC to DC driver/controller. The 5000H LED Driver provides constant current in continuous or pulsed mode for LED arrays connected in parallel, single large format LED chips and Laser Diodes with a compliance voltage up to 7.0 VDC.

The 5000H Series is a digital LED driver/controller that provides high DC current up to 40A continuous and 50A pulsed. Intended for lab bench or OEM applications, the driver/controller utilizes Modbus RS-485 serial protocol to support remote or automated operation. Additional I/O includes analog intensity control and PWM 24VDC output for cooling fans mounted to an LED illuminator with thermistor-controlled closed-loop temperature regulation.

The compact device can be bench, panel, or DIN rail mounted. Two options selected at time of order support either common anode or common cathode LED arrays. Available accessories include power cables, communication cables, AC to DC external power adapters and a DIN rail mount kit.

About Innovations in Optics, Inc.

Founded in 1993 and located near Boston, Innovations in Optics, Inc. offers high power LED light sources for science and industry that provide maximum photon delivery, illumination uniformity, and stable optical power. Products offer system-level advantages over lasers and arc lamps in OEM equipment for many applications. Available LED wavelengths range from the UV through the near

infrared, including broadband white and multiband options. System accessories include thermal management devices, wire harnesses and driver/controllers. UV LED products support photomask exposure, direct image writing, 3D printing and photocuring. Pattern Blazer™ and LumiBright™ are trademarks of Innovations in Optics, Inc.