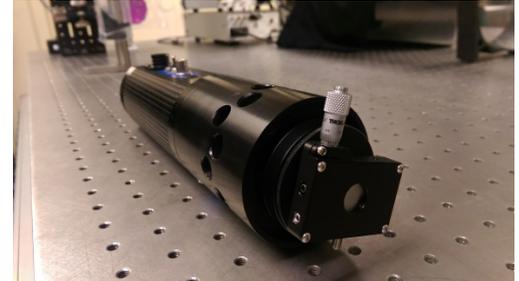


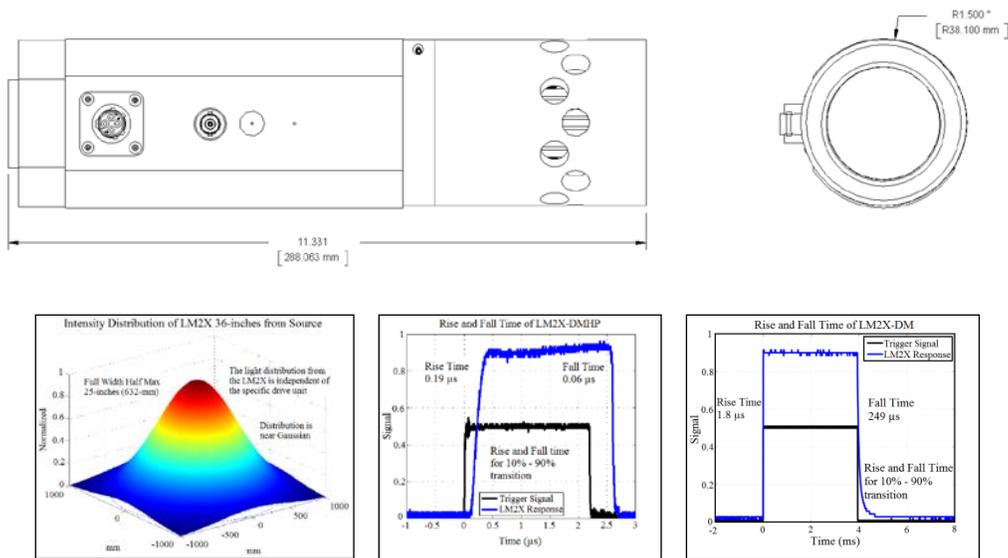
LMS-XXX LED Light Source

(Product ID: LMS-XXX)

The LMS-XXX is a 2-inch, air-cooled LED light source used for schlieren and shadowgraph applications. The LMS-XXX can operate in continuous/long-pulsed (DC) or short-pulsed (HP) mode. In HP mode, the peak intensity is about 4x the the peak of the DC output with a rise and fall of time <100 ns. In HP mode, a built-in safety circuit automatically shuts down the drive circuits if the duty factor limit is reached.



The LMS-XXX features a variable width slit to adjust the amount of output light from the module. Power supply and carrying case are included with the LED. The wavelength of the LMS-XXX is user defined and based on available LED wavelengths. XXX denotes wavelength in nanometers.



SPECIFICATIONS

Optical Power	~2-3 W (DC), ~1 W (HP)
Input	24V --- 6.6A
Stability	~0.1 % per hour after warmup
Wavelength	460-nm Standard (User specified)
Rise time (10% - 90%)	< 5-μs (DC), < 200-ns (HP)
Fall time (90% - 10%)	<75-μs (DC), < 100-ns (HP)
Maximum Duty Cycle	100% (DC), 5% (HP)
Operating Temperature	-10°C to 60°C
FWHM	+/- 18-nm
ECCN	EAR99

Innovative Scientific Solutions, Inc.
7610 McEwen Road, Dayton, OH 45459
Phone (937) 630-3012 Fax (937) 630-3015

email: issi-sales@innssi.com
web: www.psp-tsp.com

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