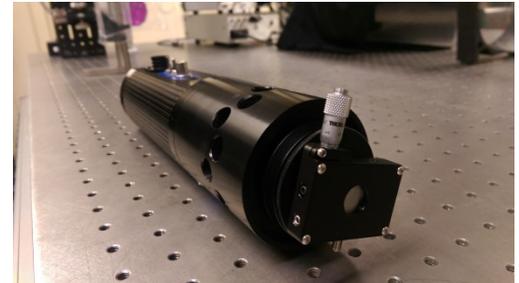


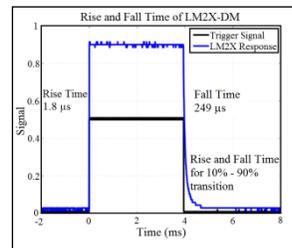
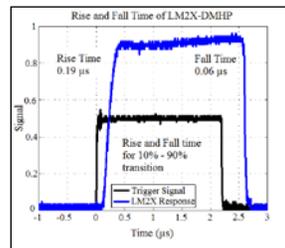
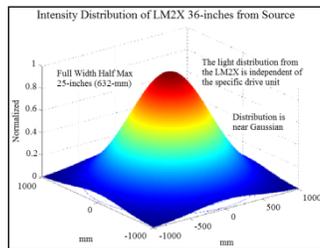
# LMS-XXX LED Light Source

(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 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.



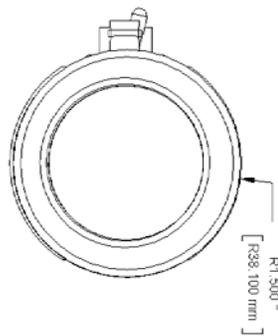
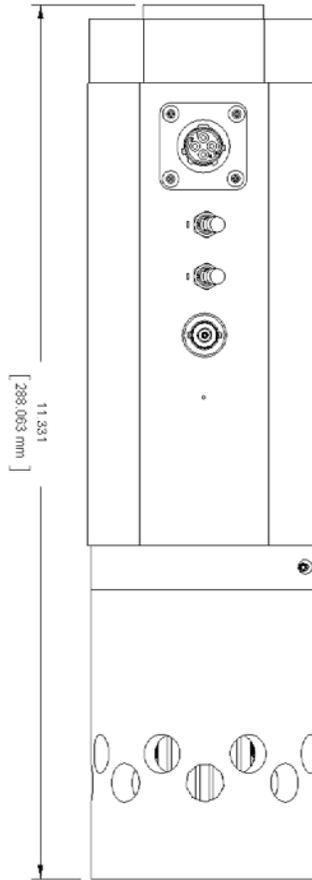
## SPECIFICATIONS

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

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**LMS-XXX**