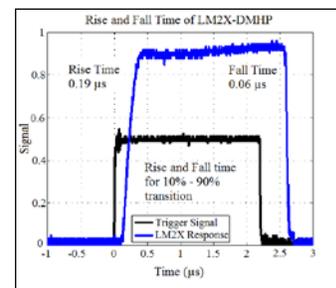
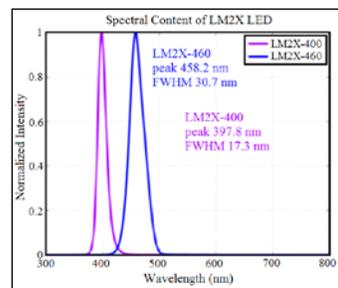
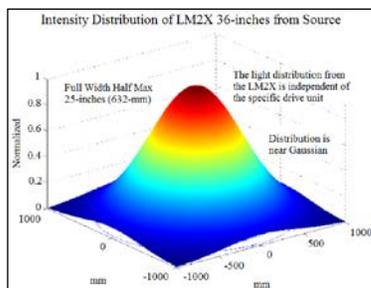
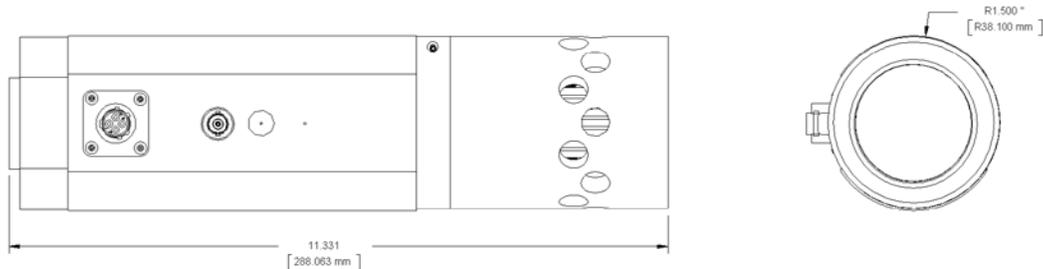


## LM2X-DMHP LED Light Source

(Product ID: LM2X-DMHP-400, LM2X-DMHP-460)

The LM2X-DMHP is a 2-inch, air-cooled LED light source that has been designed for lifetime based PSP and TSP systems. The LM2X-DMHP operates only in high power short pulse mode. The pulse width and duty cycle are controlled by applying a TTL voltage to the external BNC on the DMHP module. The rise time is less than 200-ns and the fall time is less than 100-ns. The LM2X-DMHP is operated at a high current, therefore, the duty cycle must be kept below 5%. A governor circuit is included in the system to prevent damage from exceeding this specification. The light distribution from the unit is approximately Gaussian for distances greater than 18-inches [45-cm] from the source. The units are available in 400-nm and 460-nm packages, however, other wavelenths are available upon request.



### SPECIFICATIONS

<b>Optical Power</b>	1.1 W
<b>Input</b>	48V --- 2.7A
<b>Stability</b>	~0.1 % per hour after warmup
<b>Wavelength</b>	400-nm, 460-nm
<b>Rise time (10% - 90%)</b>	< 200 ns
<b>Fall time (90% - 10%)</b>	~ 100 ns
<b>Maximum Duty Cycle</b>	5%
<b>Operating Temperature</b>	-10°C to 60°C
<b>FWHM</b>	+/- 18-nm
<b>ECCN</b>	EAR99

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