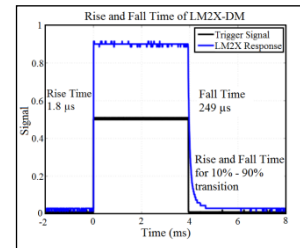
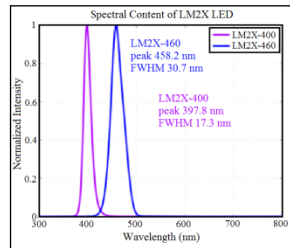
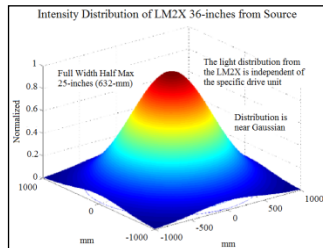
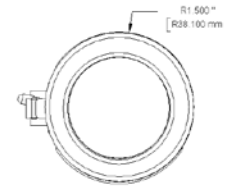
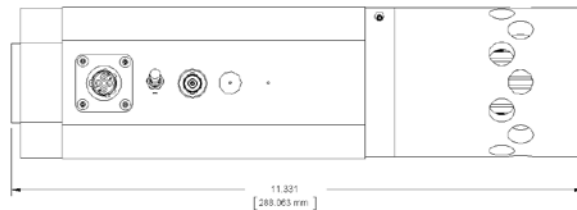


## LM2X-DM LED Light Source

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

The LM2X-DM is a 2-inch, air-cooled LED light source that provides uniform, stable illumination, for Pressure and Temperature Sensitive Paint measurements. The LM2X-DM has been designed for radiometric PSP and TSP systems. The LM2X-DM can operate continuously or in a long pulsed mode. The operation mode is set using an external toggle switch. Pulsed mode operation is controlled by applying a TTL voltage to the external BNC on the DM module. In this mode, the rise time is less than 5- $\mu$ s and the fall time is less than 250- $\mu$ s and the duty cycle may be set to from 0% to 100%. The light distribution from the unit is approximately Gaussian for distance 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. The unit may be operated for radiometric or lifetime based systems by interchanging the driver module (DM module for radiometric, DMHP module for lifetime).



## SPECIFICATIONS

<b>Optical Power</b>	4-5 W
<b>Input</b>	48V $\text{---}$ 2.7A
<b>Stability</b>	$\sim$ 0.1 % per hour after warmup
<b>Wavelength</b>	400-nm, 460-nm
<b>Rise time (10% - 90%)</b>	< 5 $\mu$ s
<b>Fall time (90% - 10%)</b>	$\sim$ 250 $\mu$ s
<b>Maximum Duty Cycle</b>	100%
<b>Operating Temperature</b>	-10°C to 60°C
<b>FWHM</b>	+/- 18-nm
<b>ECCN</b>	EAR99

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