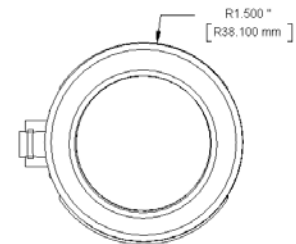
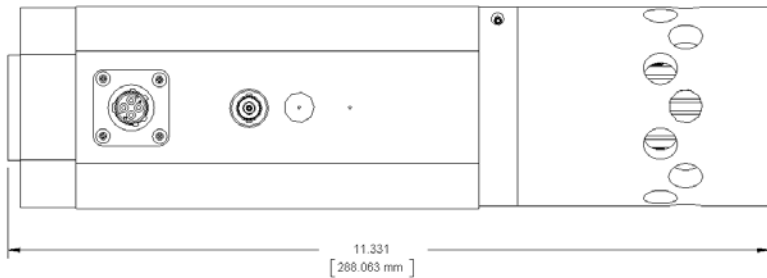


## LM2X-DMHP LED Light Source

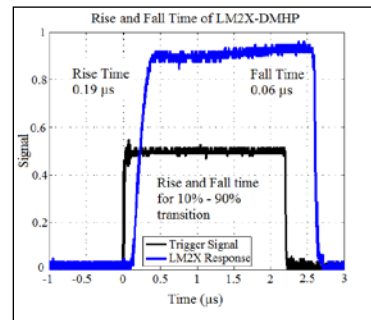
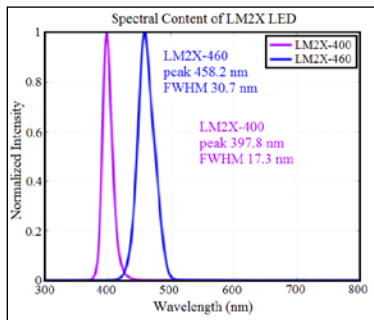
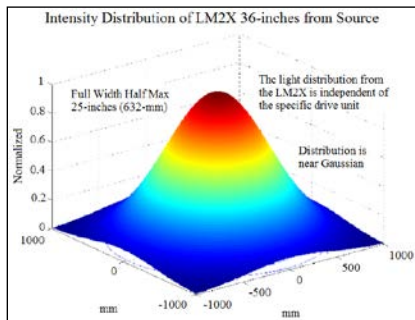
(Product ID: LM2X-DMHP-400, LM2X-DMHP-460)

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. This unit supersedes the LM2 and LM4 systems because it offers a significant increase in power (10X compared to an LM2, 2.5X compared to an LM4).



### SPECIFICATIONS

Output power .....	> 1.1 W
Stability.....	~0.1 % per hour after warmup
Maximum duty cycle .....	5%
Rise time (10% - 90%) .....	< 200-ns
all time (90% - 10%) .....	~ 100-ns
Operating temperature range .....	-10°C to 60°C
Wavelength.....	400-nm and 460-nm
FWHM.....	+/-18-nm
ECCN .....	EAR99



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