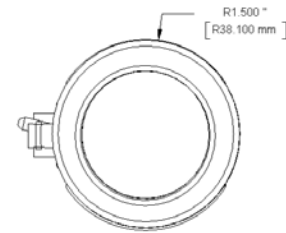
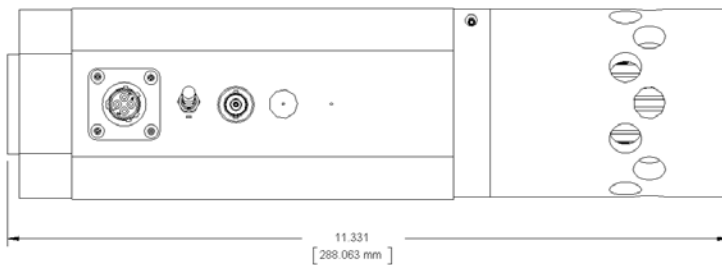


LM2X-DM LED Light Source

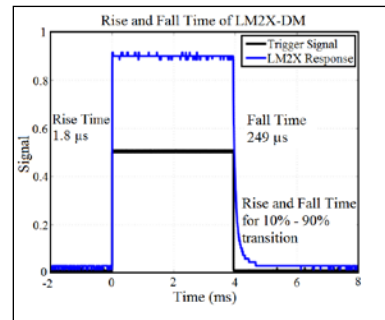
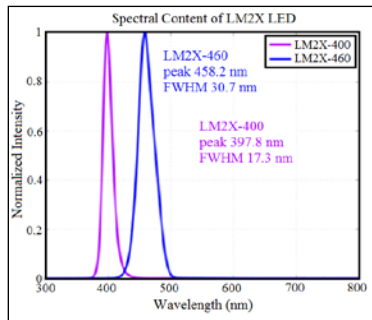
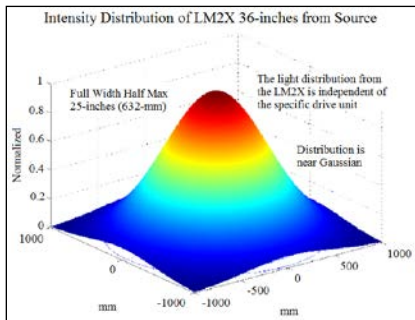
(Product ID: LM2X-DM-400, LM2X-DM-460)

The LM2X 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- μ s and the fall time is less than 250- μ 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 wavelengths 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

- Output power~4 W
- Stability..... ~0.1 % per hour after warmup
- Maximum duty cycle 100%
- Rise time (10% - 90%) < 5- μ s
- Fall time (90% - 10%) ~ 250- μ s
- Operating temperature range-10°C to 60°C
- Wavelength..... 400-nm and 460-nm
- FWHM..... +/- 18-nm
- ECCN EAR99



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