

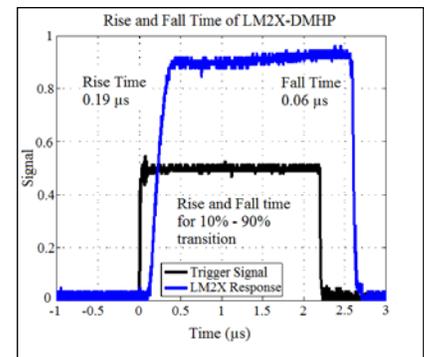
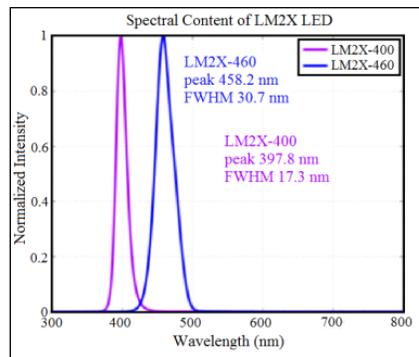
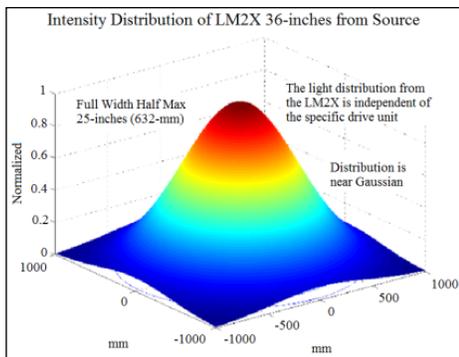
Lifetime 2-inch Air-Cooled LED Light Source

(Product ID: LM2X-DMHP-XXX)

The lifetime 2-inch, air-cooled LED light source provides uniform, stable illumination, for pressure and temperature sensitive paint measurements. The LED is designed for lifetime acquisition systems. The system is overdriven, giving it a higher peak power per pulse than the continuous LED system. Pulse width and frequency are set by sending an external TTL signal to the BNC trigger input. Because it is overdriven, the duty-cycle is limited to 5%. The maximum pulse width is limited to 1-ms. A governor circuit in the system prevents the system from exceeding 5% duty cycle, which could damage the LED. 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.

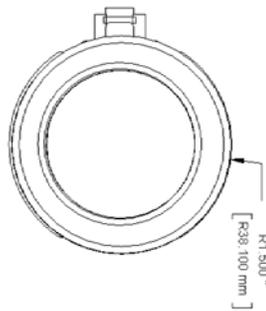
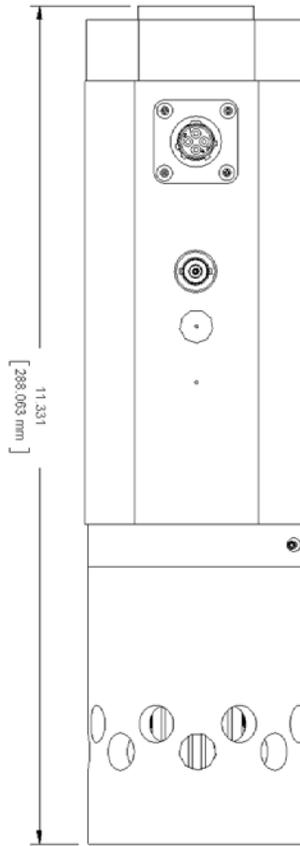


Ordering information: LM2X-DMHP-XXX (LED head with short-pulse/high-power driver –XXX denotes wavelength)



SPECIFICATIONS

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



LM2X-DMHP-XXX