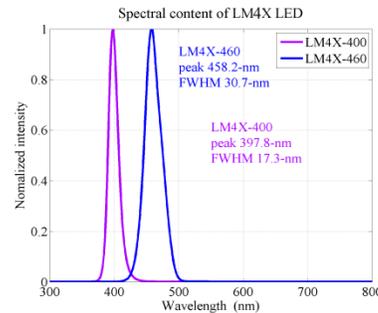
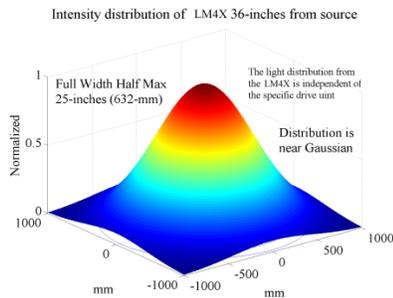
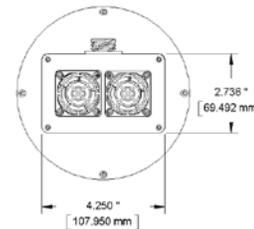
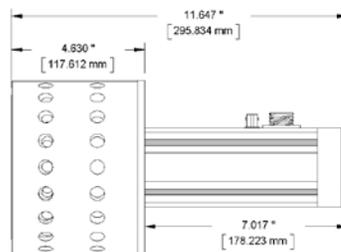


# LM4X-DM LED Light Source

(Product ID: LM4X-DM-400, LM4X-DM-460)

Where water-cooling is not an option, the 4-inch, air-cooled LED is the choice. The LM4X-DM is a 4-inch, air-cooled LED light source. The LM4X series of light sources offer uniform, stable illumination with excellent output power. The LM4X-DM can operate CW or pulsed, the operation mode is set using an external toggle switch. Pulsed mode operation is controlled by setting the voltage to an external BNC on the lamp housing, the rise and fall times are less than 100- $\mu$ s, and the duty cycle may be set to from 0% to 100%. These units supersede the LM2X-DM LED systems as they offer a 3-4X increase in power, 5X faster rise and fall times for pulsed operation, and increased temperature range of operation.



## SPECIFICATIONS

<b>Optical Power</b>	12-14 W
<b>Input</b>	24V --- 8A
<b>Stability</b>	~0.2 % per hour after warmup
<b>Wavelength</b>	400-nm, 460-nm
<b>Rise time (10% - 90%)</b>	< 100 $\mu$ s
<b>Fall time (90% - 10%)</b>	< 100 $\mu$ 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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