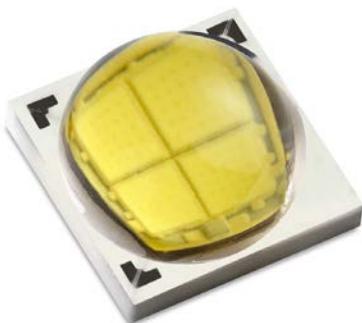




LUXEON MX

Unmatched performance in a proven package



LUXEON MX is a high power emitter enabling cost effective, high reliability fixtures for High Bay and Outdoor applications requiring system efficiency of up to 140 lm/W. This breakthrough LED provides double the flux compared to previous generations with an even more robust high power design. Designed to be optically compatible with LUXEON M, LUXEON MX enables luminaire manufacturers to instantly upgrade their systems to market leading efficiency without investing design resources.

FEATURES AND BENEFITS

2,000 lumens at 130 lm/W enables cost effective 100 lm/W fixtures

1,200 lumens at 150 lm/W enables high performance 120 lm/W fixtures

Double the flux vs. comparable emitters in 120 lm/W systems

More robust package for improved reliability at higher drive currents

Same footprint and optically compatible with LUXEON M for an instant upgrade

PRIMARY APPLICATIONS

High Bay & Low Bay

– Industrial

Outdoor

– Streetlights

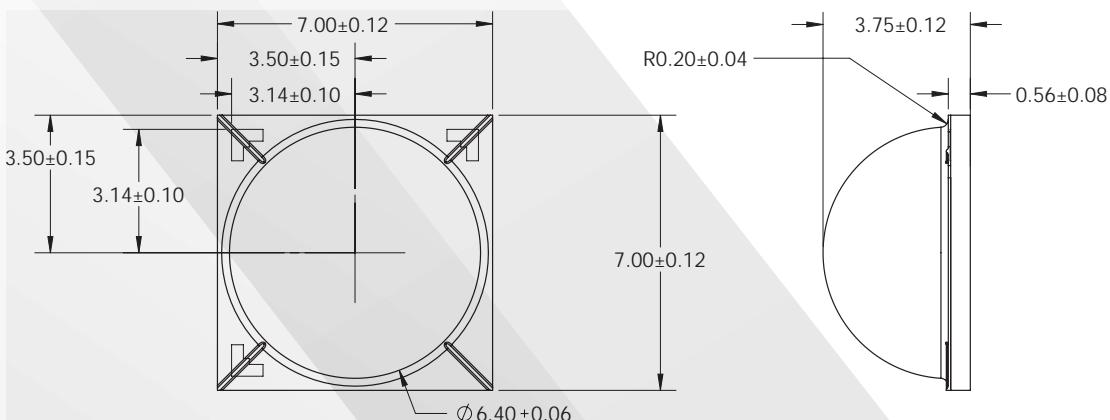
LUXEON MX product performance at test current, $T_j=85^\circ\text{C}$.

VOLTAGE	NOMINAL CCT	MINIMUM CRI ^[1, 2]	LUMINOUS FLUX ^[1] (lm)		TEST CURRENT (mA)	PART NUMBER
			MINIMUM	TYPICAL		
12V	4000K	70	1160	1195	700	L1MX-407012V000000
	5000K	70	1160	1195	700	L1MX-507012V000000
	5700K	70	1160	1205	700	L1MX-577012V000000
	6500K	70	1160	1210	700	L1MX-657012V000000
6V	4000K	70	1160	1195	1400	L1MX-407006V000000
	5000K	70	1160	1195	1400	L1MX-507006V000000
	5700K	70	1160	1205	1400	L1MX-577006V000000
	6500K	70	1160	1210	1400	L1MX-657006V000000
3V	4000K	70	1160	1195	2800	L1MX-407003V000000
	5000K	70	1160	1195	2800	L1MX-507003V000000
	5700K	70	1160	1205	2800	L1MX-577003V000000
	6500K	70	1160	1210	2800	L1MX-657003V000000

Notes:

1. Lumileds maintains a tolerance of ± 2 on CRI and $\pm 6.5\%$ on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.

Mechanical Dimensions.



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.

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