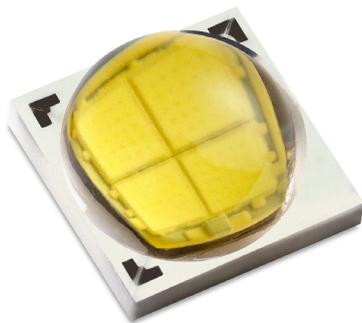




LUXEON MX

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 157 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
 - Spotlights
- Architectural

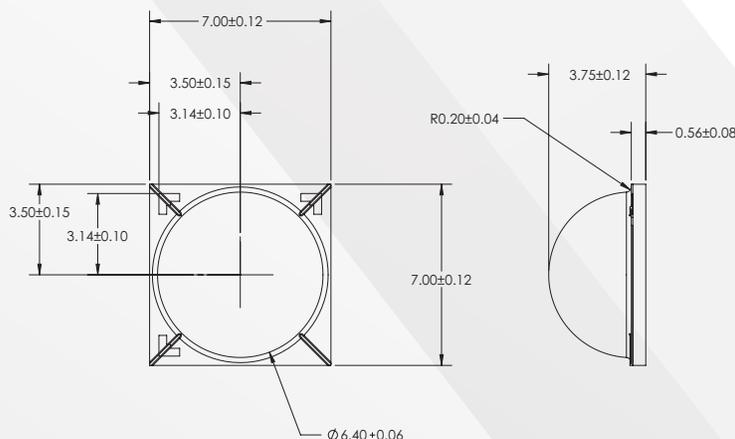
LUXEON MX product performance at specified test current, $T_j=85^\circ\text{C}$.

VOLTAGE	NOMINAL CCT	MINIMUM CRI ^[1, 2]	LUMINOUS FLUX ^[1] (lm)			TEST CURRENT (mA)	PART NUMBER	
			MINIMUM	TYPICAL	TYPICAL $T_j=25^\circ\text{C}$			
12V	2700K	70	970	1050	1095	700	L1MX-277012V000000	
	3000K	70	1040	1161	1270	700	L1MX-307012V000000	
	4000K	70	1160	1232	1345	700	L1MX-407012V000000	
	5000K	70	1160	1232	1345	700	L1MX-507012V000000	
	5700K	70	1160	1232	1345	700	L1MX-577012V000000	
	6500K	70	1160	1232	1345	700	L1MX-657012V000000	
	2700K	80	900	988	1095	700	L1MX-278012V000000	
	3000K	80	970	1000	1110	700	L1MX-308012V000000	
	4000K	80	1040	1115	1220	700	L1MX-408012V000000	
	5000K	80	1040	1115	1220	700	L1MX-508012V000000	
	2700K	90	730	800	872	700	L1MX-279012V000000	
	3000K	90	730	835	910	700	L1MX-309012V000000	
	4000K	90	900	965	1046	700	L1MX-409012V000000	
	5700K	90	900	965	1046	700	L1MX-579012V000000	
	6V	2700K	70	970	1050	1095	1400	L1MX-277006V000000
		3000K	70	1040	1161	1270	1400	L1MX-307006V000000
		4000K	70	1160	1232	1345	1400	L1MX-407006V000000
		5000K	70	1160	1232	1345	1400	L1MX-507006V000000
5700K		70	1160	1232	1345	1400	L1MX-577006V000000	
6500K		70	1160	1232	1345	1400	L1MX-657006V000000	
2700K		80	900	988	1095	1400	L1MX-278006V000000	
3000K		80	970	1000	1110	1400	L1MX-308006V000000	
4000K		80	1040	1115	1220	1400	L1MX-408006V000000	
5000K		80	1040	1115	1220	1400	L1MX-508006V000000	
2700K		90	730	800	872	1400	L1MX-279006V000000	
3000K		90	730	835	910	1400	L1MX-309006V000000	
4000K		90	900	965	1046	1400	L1MX-409006V000000	
5700K		90	900	965	1046	1400	L1MX-579006V000000	

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



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