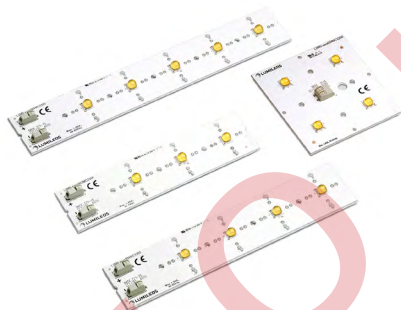




LUXEON XR-M

Bright, uniform light source in practical, convenient and easy to configure modules



LUXEON XR-M products are LED modules optimized for lighting applications requiring high power LED arrays mounted on a rigid and thermally conductive substrate. These versatile building blocks come with 3, 4 or 5 LUXEON M LEDs on a MCPCB substrate and are designed for ease of system integration, faster time to market, and use with industry standard optics. The 4 LED square version will become a complete IP66 solution when used in combination with standard third party optics and heat sink.

FEATURES AND BENEFITS

Typical 3200–5300 lumen building blocks with 140 lm/W efficacy @700mA, $T_c=85^\circ\text{C}$

Available in 70CRI 4000K, 5000K and 5700K

May be used with off-the-shelf individual lenses and lens plates for easy system integration

Constant board-to-board LED pitch for versatile system design

3, 4 and 5 LED linear board options and 4 LED square board option for design flexibility and luminaire adaptability

MCPCB for efficient heat dissipation and mechanical robustness

5 year limited warranty

PRIMARY APPLICATIONS

Architectural

High Bay & Low Bay

Outdoor

– Streetlights

– Stadium

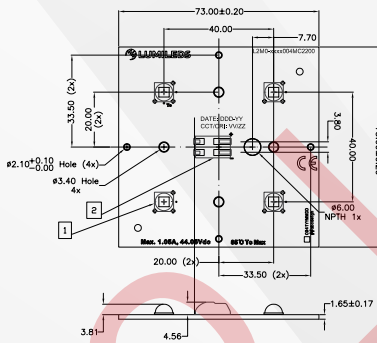
LUXEON XR-M product performance at 700mA, T_c=85°C.

CONFIGURATION	NOMINAL CCT	MINIMUM CRI ^[1]	LUMINOUS FLUX ^[2] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	ENERGY EFFICIENCY CLASS	PART NUMBER
			MINIMUM	TYPICAL			
Square	4000K	70	4053	4211	138	E	L2M0-4070004MC2200
	5000K	70	4200	4363	144	E	L2M0-5070004MC2200
	5700K	70	4156	4318	142	E	L2M0-5770004MC2200
Linear	4000K	70	3040	3158	138	E	L2M0-4070003MC3300
	5000K	70	3150	3272	144	E	L2M0-5070003MC3300
	5700K	70	3117	3239	142	E	L2M0-5770003MC3300
	4000K	70	4053	4211	138	E	L2M0-4070004MC3300
	5000K	70	4200	4363	144	E	L2M0-5070004MC3300
	5700K	70	4156	4318	142	E	L2M0-5770004MC3300
	4000K	70	5067	5264	138	E	L2M0-4070005MC3300
	5000K	70	5249	5454	144	E	L2M0-5070005MC3300
	5700K	70	5195	5397	142	E	L2M0-5770005MC3300

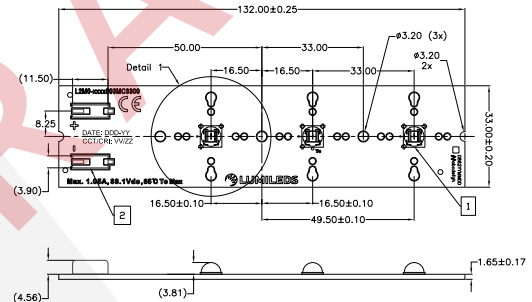
Notes:

1. Lumileds maintains a tolerance of ±2 on CRI measurements.
2. Lumileds maintains a tolerance of ±7.5% on luminous flux measurements.

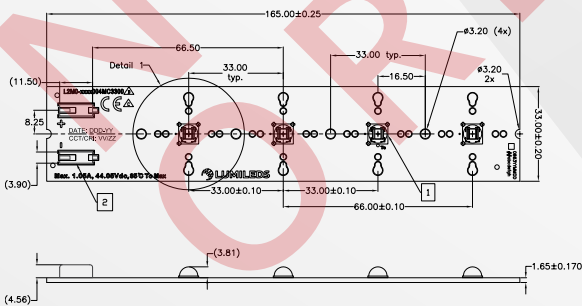
Mechanical dimensions for L2M0-xxyy004MC2200.



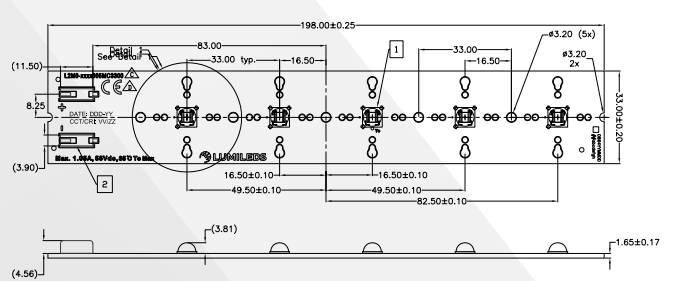
Mechanical dimensions for L2M0-xxyy003MC3300.



Mechanical dimensions for L2M0-xxyy004MC3300.



Mechanical dimensions for L2M0-xxyy005MC3300.



Notes:

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

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