









LUXEON XR-HL2X



High performance LED modules with extreme efficacy for robust lighting designs



LUXEON XR-HL2X is a standard integrated module compatible with offthe-shelf drivers, optics, and heat sinks. These versatile building blocks feature 8, 12 or 16 LUXEON HL2X LEDs on a MCPCB substrate for thermal efficiency and mechanical robustness. This approach simplifies system integration and accelerates time-to-market.

FEATURES AND BENEFITS

FEATURES AND BENEFITS	PRIMARY APPLICATIONS High Bay Low Bay Sport Lights		
Efficacy and Luminous flux of up to 194lm/W typ and 2900lm available			
CCT/CRI Options:3000K, 4000K (70 CRI)			
Board level color control of ≤ 5SDCM			
MCPCB for efficient heat dissipation and mechanical robustness	Outdoor Area Lights		
UL 8750, ENEC, CE, UKCA compliance	Roadway Lights		
5-year limited guarantee			



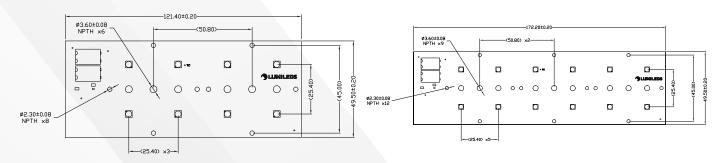


LUXEON XR-HL2X product performance at 350mA, T_c=80°C.

NOMINAL CCT	MINIMUM CRI ^[1, 2]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS	ENERGY	DART NUMBER
		MINIMUM	TYPICAL	EFFICACY (lm/W)	EFFICIENCY CLASS	PART NUMBER
3000K	70	1375	1413	186	D	L2H2-3070008MLU010
4000K	70	1435	1469	194	D	L2H2-4070008MLU010
3000K	70	2062	2120	186	D	L2H2-3070012MLU010
4000K	70	2152	2203	194	D	L2H2-4070012MLU010
3000K	70	2750	2827	186	D	L2H2-3070016MLU010
4000K	70	2869	2938	194	D	L2H2-4070016MLU010

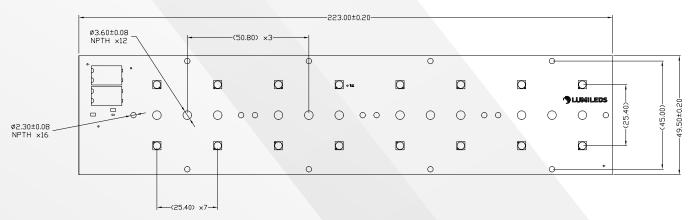
- 1. Lumileds maintains a tolerance of ± 2 on CRI and $\pm 7\%$ on luminous flux measurements.
- Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.

Mechanical Dimensions.



L2H2-xxxx008MLU010

L2H2-xxxx012MLU010



L2H2-xxxx016MLU010

Notes:

- Drawings are not to scale.
 All dimensions are in millimeters.

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