











LUXEON HL4X

Maximized lumen output performance & increased system efficacy, with high driving current capabilities.



LUXEON HL4X is a specially designed high-power domed emitter suitable for outdoor and industrial applications like streetlights and high bay luminaires.

LUXEON HL4X provides maximum lumen outputs, and overall system efficacy in an industry standard 3535 package with 3-stripe footprint. With plenty of light coming from a small LES device and an ability to sustain high drive currents, it is perfect for cost efficient single optic, directional fixture designs.

FEATURES AND BENEFITS

High lumens per emitter
Ability to drive at high maximum current
Industry standard 3535 package with 3-stripe footprint, suitable for existing designs with higher efficacy requirements
Special materials selection enables long lasting reliability in harsh environments

PRIMARY APPLICATIONS

High Mast
Floodlights
Spotlights
High Bay
Low Bay
Torch
More



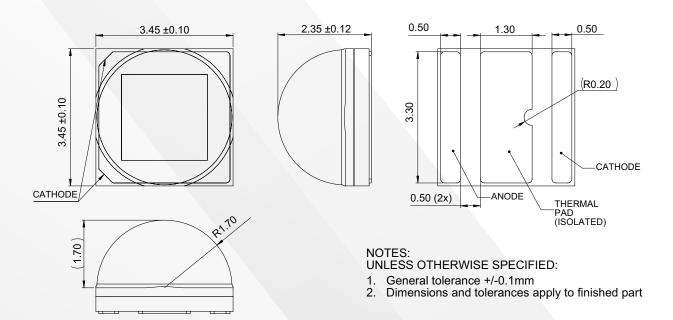
LUXEON HL4X product performance at 1400mA, T_i=85°C.

NOMINAL CCT	MINIMUM R9 ^[3]	MINIMUM CRI [1]	LUMINOUS FLUX ^[2] (lm)		TYPICAL LUMINOUS	
			MINIMUM	TYPICAL	EFFICACY (lm/W)	PART NUMBER
				1400mA		
2700K	-40	70	591	642	160	L1HX-277040000000
3000K	-40	70	600	658	164	L1HX-307040000000
4000K	-40	70	635	699	174	L1HX-4070400000000
5000K	-40	70	635	704	175	L1HX-507040000000
5700K	-40	70	635	710	177	L1HX-5770400000000
6500K	-40	70	635	713	177	L1HX-6570400000000
3000K	0	80	515	588	146	L1HX-3080400000000
4000K	0	80	555	616	153	L1HX-4080400000000
5000K	0	80	565	632	157	L1HX-5080400000000
4000K	50	90	477	528	131	L1HX-4090400000000
5700K	50	90	500	575	143	L1HX-5790400000000

Notes:

- Lumileds maintains a tolerance of ±2 on CRI.
 Lumileds maintains a tester tolerance of ±6.5% on luminous flux measurements.
 Lumileds maintains a tester tolerance of ±6.5 on R9 measurements.

Mechanical Dimensions.



Notes:

- Drawings are not to scale.
- All dimensions are in millimeters.
 Do not handle the device by the dome. Excessive force on the dome may damage the dome itself or the interior of the device.

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