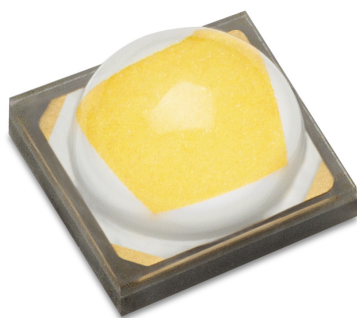




LUXEON HL2X

Higher performance, color stability, lumen maintenance, and longevity.



LUXEON HL2X is a high-power domed emitter designed specifically for outdoor and industrial applications like streetlights and high bay luminaires. The package is designed to deliver superior output, efficacy, color stability and longevity regardless of application or environment.

LUXEON HL2X utilizes an industry standard 3535 package with 3-stripe footprint. This compatibility allows for efficient and simpler conversion to the better performing LUXEON HL2X from any other similar platform.

FEATURES AND BENEFITS

- Most usable light in application with a design emphasis on Beam Angle, Field Angle, Color Over Angle, and Optical Efficiency performance
- CSP die technology enables high efficacy and high driving current capability in unique applications
- Industry standard 3535 package with 3-stripe footprint and radiation pattern matched to LUXEON TX for ease of design
- DLC R9 enabled to offer best-in-class color quality for luminaires
- Offered in three different Luminous Flux Performance categories for customer flexibility in design and application

PRIMARY APPLICATIONS

- High Mast
- Floodlights
- Spotlights
- High Bay
- Low Bay
- Torch
- [More...](#)

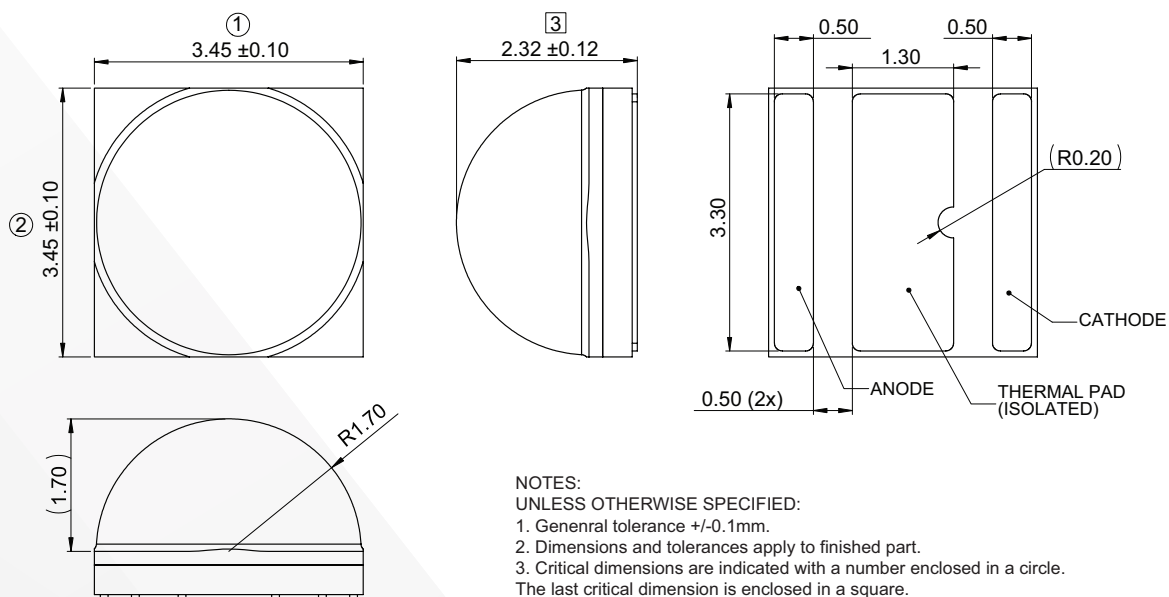
LUXEON HL2X-E product performance at 700mA, T_j=85°C.

NOMINAL CCT	MINIMUM R9 ^[3]	MINIMUM CRI ^[1]	LUMINOUS FLUX ^[2] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			700mA			
2200K	-40	70	270	300	155	L1HX-22702E00000000
2700K	-40	70	300	332	171	L1HX-27702E00000000
3000K	-40	70	320	348	179	L1HX-30702E00000000
3500K	-40	70	320	355	183	L1HX-35702E00000000
4000K	-40	70	340	367	189	L1HX-40702E00000000
5000K	-40	70	335	370	191	L1HX-50702E00000000
5700K	-40	70	335	370	191	L1HX-57702E00000000
6500K	-40	70	335	370	191	L1HX-65702E00000000
2200K	0	80	226	251	129	L1HX-22802E00000000
2700K	0	80	264	289	149	L1HX-27802E00000000
3000K	0	80	280	314	162	L1HX-30802E00000000
4000K	0	80	300	333	172	L1HX-40802E00000000
5000K	0	80	300	339	175	L1HX-50802E00000000
5700K	0	80	310	344	177	L1HX-57802E00000000
2700K	50	90	210	247	127	L1HX-27902E00000000
3000K	50	90	230	263	136	L1HX-30902E00000000
3500K	50	90	240	271	140	L1HX-35902E00000000
4000K	50	90	250	282	145	L1HX-40902E00000000
5000K	50	90	267	298	154	L1HX-50902E00000000
5700K	50	90	270	300	155	L1HX-57902E00000000

Table notes:

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

Mechanical Dimensions.



NOTES:
UNLESS OTHERWISE SPECIFIED:
 1. General tolerance $\pm 0.1\text{mm}$.
 2. Dimensions and tolerances apply to finished part.
 3. Critical dimensions are indicated with a number enclosed in a circle.
 The last critical dimension is enclosed in a square.

Notes:

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