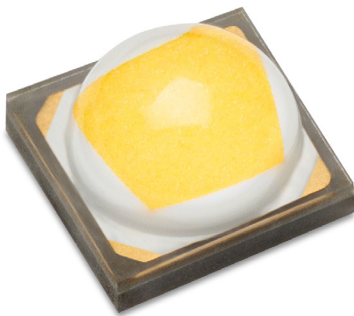




LUXEON HL2X

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 two 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 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			
2700K	-40	70	280	295	151	L1HX-27702P0000000
3000K	-40	70	300	310	158	L1HX-30702P0000000
3500K	-40	70	310	325	166	L1HX-35702P0000000
4000K	-40	70	310	330	168	L1HX-40702P0000000
5000K	-40	70	310	330	168	L1HX-50702P0000000
5700K	-40	70	310	330	168	L1HX-57702P0000000
6500K	-40	70	310	330	168	L1HX-65702P0000000
2700K	-40	70	270	295	149	L1HX-2770200000000
3000K	-40	70	290	310	156	L1HX-3070200000000
3500K	-40	70	300	320	162	L1HX-3570200000000
4000K	-40	70	300	320	162	L1HX-4070200000000
5000K	-40	70	300	320	162	L1HX-5070200000000
5700K	-40	70	300	320	162	L1HX-5770200000000
6500K	-40	70	290	320	162	L1HX-6570200000000
3000K	0	80	250	280	143	L1HX-30802P0000000
4000K	0	80	280	300	153	L1HX-40802P0000000
5000K	0	80	290	310	158	L1HX-50802P0000000
5700K	0	80	290	310	158	L1HX-57802P0000000
2700K	0	80	240	260	131	L1HX-2780200000000
3000K	0	80	250	275	139	L1HX-3080200000000
3500K	0	80	260	280	141	L1HX-3580200000000
4000K	0	80	270	297	149	L1HX-4080200000000
5000K	0	80	280	300	151	L1HX-5080200000000
5700K	0	80	280	300	151	L1HX-5780200000000
3000K	50	90	210	228	116	L1HX-30902P0000000
4000K	50	90	240	255	130	L1HX-40902P0000000
5700K	50	90	240	260	133	L1HX-57902P0000000
2700K	50	90	190	210	106	L1HX-2790200000000
3000K	50	90	210	230	116	L1HX-3090200000000
3500K	50	90	210	230	116	L1HX-3590200000000
4000K	50	90	230	250	126	L1HX-4090200000000
5000K	50	90	230	250	126	L1HX-5090200000000
5700K	50	90	230	255	129	L1HX-5790200000000

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.