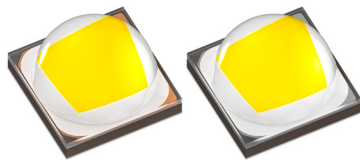




LUXEON HL2X

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 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	306	158	L1HX-22702E000000A
2700K	-40	70	300	342	176	L1HX-27702E000000A
3000K	-40	70	320	355	183	L1HX-30702E000000A
3500K	-40	70	320	363	187	L1HX-35702E000000A
4000K	-40	70	340	375	193	L1HX-40702E000000A
5000K	-40	70	335	379	195	L1HX-50702E000000A
5700K	-40	70	335	379	195	L1HX-57702E000000A
6500K	-40	70	335	372	192	L1HX-65702E000000A
2200K	-40	70	270	300	155	L1HX-22702E0000000
2700K	-40	70	300	332	171	L1HX-27702E0000000
3000K	-40	70	320	348	179	L1HX-30702E0000000
3500K	-40	70	320	355	183	L1HX-35702E0000000
4000K	-40	70	340	367	189	L1HX-40702E0000000
5000K	-40	70	335	370	191	L1HX-50702E0000000
5700K	-40	70	335	370	191	L1HX-57702E0000000
6500K	-40	70	335	370	191	L1HX-65702E0000000
2200K	0	80	226	251	129	L1HX-22802E0000000
2700K	0	80	264	289	149	L1HX-27802E0000000
3000K	0	80	280	314	162	L1HX-30802E0000000
4000K	0	80	300	333	172	L1HX-40802E0000000
5000K	0	80	300	339	175	L1HX-50802E0000000
5700K	0	80	310	344	177	L1HX-57802E0000000
2700K	50	90	210	247	127	L1HX-27902E0000000
3000K	50	90	230	263	136	L1HX-30902E0000000
3500K	50	90	240	271	140	L1HX-35902E0000000
4000K	50	90	250	282	145	L1HX-40902E0000000
5000K	50	90	267	298	154	L1HX-50902E0000000
5700K	50	90	270	300	155	L1HX-57902E0000000

Table 1:

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.
4. Part numbers with "strikethrough" are not recommended for new design.