

ILLUMINATION



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 Ang Field Angle, Color Over Angle, and Optical Efficiency performance	şle,
CSP die technology enables high efficacy and high driving current ca	ability
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 c flexibility in design and application	ustomer

PRIMARY APPLICATIONS

High Mast	
Floodlights	
Spotlights	
High Bay	
Low Bay	
Torch	
More	



LUXEON HL2X product performance at 700mA, T_i=85°C.

NOMINAL MINIMUM CCT R9 ^[3]		LUMINOUS FLUX ^[2] (Im)		TYPICAL LUMINOUS		
		MINIMUM	TYPICAL	EFFICACY (Im/W)	PART NUMBER	
			700mA			
2700K	-40	70	280	295	151	L1HX-27702P000000
3000K	-40	70	300	310	158	L1HX-30702P000000
3500K	-40	70	310	325	166	L1HX-35702P000000
4000K	-40	70	310	330	168	L1HX-40702P000000
5000K	-40	70	310	330	168	L1HX-50702P0000000
5700K	-40	70	310	330	168	L1HX-57702P0000000
6500K	-40	70	310	330	168	L1HX-65702P000000
2700K	-40	70	270	295	149	L1HX-277020000000
3000K	-40	70	290	310	156	L1HX-307020000000
3500K	-40	70	300	320	162	L1HX-357020000000
4000K	-40	70	300	320	162	L1HX-407020000000
5000K	-40	70	300	320	162	L1HX-507020000000
5700K	-40	70	300	320	162	L1HX-577020000000
6500K	-40	70	290	320	162	L1HX-657020000000
3000K	0	80	250	280	143	L1HX-30802P000000
4000K	0	80	280	300	153	L1HX-40802P000000
5000K	0	80	290	310	158	L1HX-50802P000000
5700K	0	80	290	310	158	L1HX-57802P000000
2700K	0	80	240	260	131	L1HX-278020000000
3000K	0	80	250	275	139	L1HX-308020000000
3500K	0	80	260	280	141	L1HX-358020000000
4000K	0	80	270	297	149	L1HX-408020000000
5000K	0	80	280	300	151	L1HX-508020000000
5700K	0	80	280	300	151	L1HX-578020000000
3000K	50	90	210	228	116	L1HX-30902P000000
4000K	50	90	240	255	130	L1HX-40902P0000000
5700K	50	90	240	260	133	L1HX-57902P000000
2700K	50	90	190	210	106	L1HX-279020000000
3000K	50	90	210	230	116	L1HX-309020000000
3500K	50	90	210	230	116	L1HX-359020000000
4000K	50	90	230	250	126	L1HX-409020000000
5000K	50	90	230	250	126	L1HX-509020000000
5700K	50	90	230	255	129	L1HX-579020000000

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.

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