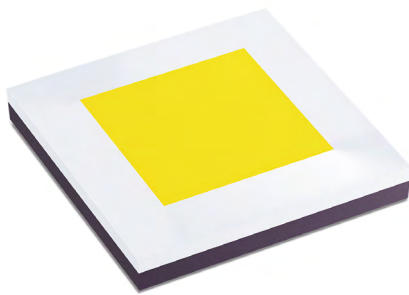




# LUXEON HL4Z

Superior flux density and flexibility for precision light controls.



LUXEON HL4Z is a specially designed high-power un-domed emitter suitable for outdoor and industrial applications like streetlights and high bay luminaires.

LUXEON HL4Z 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 flexibility of optical control, it is perfect for fixture designs need high flux density and precision light controls.

## FEATURES AND BENEFITS

- Highest lumens per emitter on smallest LES
- 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

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

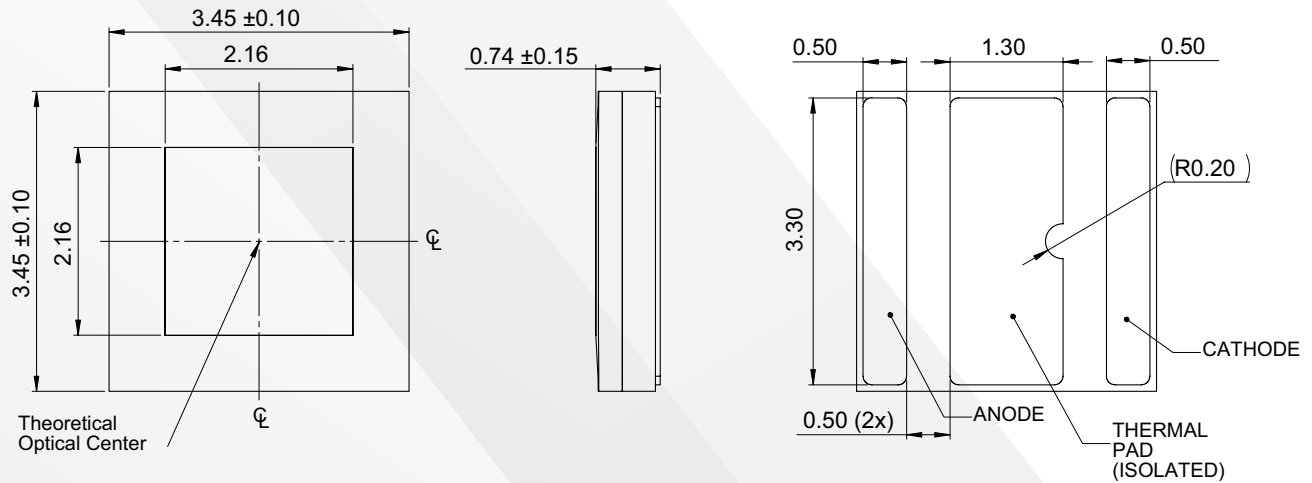
LUXEON HL4Z product performance at 1400mA, T<sub>j</sub>=85°C.

NOMINAL CCT	MINIMUM R9 <sup>[3]</sup>	MINIMUM CRI <sup>[1]</sup>	LUMINOUS FLUX <sup>[2]</sup> (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			1400mA			
3000K	-40	70	560	600	149	L1HZ-3070400000000
4000K	-40	70	585	626	155	L1HZ-4070400000000
5000K	-40	70	590	630	156	L1HZ-5070400000000
5700K	-40	70	595	635	157	L1HZ-5770400000000
6500K	-40	70	595	635	157	L1HZ-6570400000000
3000K	0	80	475	517	128	L1HZ-3080400000000
4000K	0	80	510	550	136	L1HZ-4080400000000
5000K	0	80	520	560	139	L1HZ-5080400000000
5700K	0	80	525	565	140	L1HZ-5780400000000
3000K	50	90	395	440	109	L1HZ-3090400000000
4000K	50	90	405	450	112	L1HZ-4090400000000
5000K	50	90	415	470	117	L1HZ-5090400000000
5700K	50	90	470	514	127	L1HZ-5790400000000

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:

1. Drawings are not to scale.
2. All dimensions are in millimeters.