





# **LUXEON HL2Z**

## High Flux Density in a Proven Package for Precise Optical Control



LUXEON HL2Z is a 2mm square CSP-based, high power, un-domed emitter designed to provide leading flux density, superior color consistency, high luminance, and extreme flexibility in lighting solutions.

LUXEON HL2Z emitters are an ideal choice for fast time-to-market due to their ease of design-in, and their ability to lower system costs through improved performance while delivering the quality of light that is desired by lighting system designers and users.

### **FEATURES AND BENEFITS**

Undomed source makes it easier to increase optical efficiency and to realize narrow beam angles.

CSP die technology enables close packing of the LEDs, high efficacy, and high drive current capability, in unique applications

Reliable and proven color consistency support high quality illumination, inside and outside

DLC R9 enabled to offer best-in-class color quality for luminaires

### **PRIMARY APPLICATIONS**

High Bay
Low Bay
Torch
Head Lamps
Wall Grazer
Wall Wash
More



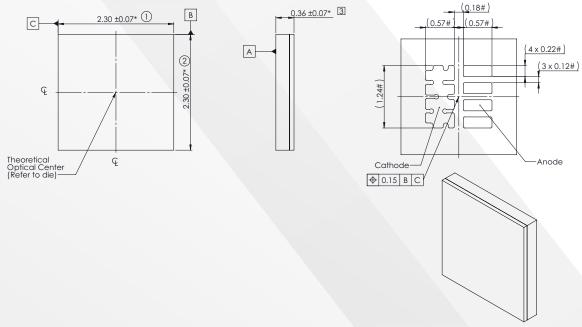
LUXEON HL2Z product performance at 700mA, T<sub>i</sub>=85°C.

	AL MINIMUM R9 <sup>[3]</sup>	MINIMUM CRI <sup>[1]</sup>	LUMINOUS FLUX <sup>[2]</sup> (lm)		TYPICAL	
NOMINAL CCT			MINIMUM	TYPICAL	LUMINOUS EFFICACY (lm/W)	PART NUMBER
			700mA			
2200K	-40	70	230	264	132	L1HZ-2270200000000
2700K	-40	70	260	307	153	L1HZ-2770200000000
3000K	-40	70	270	314	157	L1HZ-3070200000000
4000K	-40	70	290	343	171	L1HZ-4070200000000
5000K	-40	70	290	344	172	L1HZ-5070200000000
5700K	-40	70	290	347	173	L1HZ-5770200000000
6500K	-40	70	290	345	172	L1HZ-6570200000000
2200K	0	80	210	241	120	L1HZ-2280200000000
2700K	0	80	230	275	137	L1HZ-2780200000000
3000K	0	80	240	288	144	L1HZ-3080200000000
3500K	0	80	250	303	151	L1HZ-3580200000000
4000K	0	80	260	312	156	L1HZ-4080200000000
5000K	0	80	260	312	156	L1HZ-5080200000000
5700K	0	80	260	315	157	L1HZ-5780200000000
2200K	50	90	170	201	100	L1HZ-2290200000000
2700K	50	90	190	235	117	L1HZ-2790200000000
3000K	50	90	210	247	123	L1HZ-3090200000000
3500K	50	90	210	257	128	L1HZ-3590200000000
4000K	50	90	220	257	128	L1HZ-4090200000000
5000K	50	90	220	266	133	L1HZ-5090200000000
5700K	50	90	220	277	138	L1HZ-3090200000000

#### Notes for Table 1::

- Lumileds maintains a tolerance of ±2 on CRI.
   Lumileds maintains a tostoctal and a control of the contr
- Lumileds maintains a tester tolerance of ±6.5% on luminous flux measurements.
   Lumileds maintains a tester tolerance of ±6.5 on R9 measurements.

## Mechanical Dimensions.



- Drawings are not to scale.

  All dimensions are in millimeters.

  Do not handle the device by the dome. Excessive force on the dome may damage the dome itself or the interior of the device.

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