



# LUXEON CS HE CoB

Very high efficacy, superior quality of light and ease for design footprints



LUXEON CS HE CoBs extend Lumileds leadership for performance and reliability to an entirely new board footprint that offers very high efficacy, enables easy design-in for new luminaire programs, and is a cost-effective replacement for existing solutions where an upgrade is desired. State-of-the-art LUXEON CoB technology delivers unmatched performance, quality of light, and uncompromising product quality.

## FEATURES AND BENEFITS

- Widely used square footprints for easy design-in
- High performance with superior color stability
- Low thermal resistance enables smaller heatsinks and extends the operating life span
- Supported by a comprehensive optical, mechanical, and electrical ecosystem

## PRIMARY APPLICATIONS

- Track Lights
- Downlights
- Spotlights
- High Bay
- Low Bay
- More...

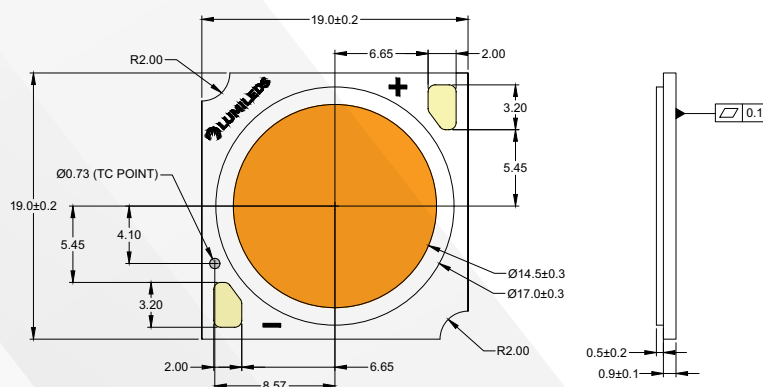
LUXEON CS HE CoB product performance at specified test current,  $T_j=85^{\circ}\text{C}$ .

LES <sup>[4]</sup> (mm)	NOMINAL CCT	MINIMUM CRI <sup>[1, 2, 3]</sup>	LUMINOUS FLUX <sup>[1]</sup> (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS <sup>[5]</sup>	PART NUMBER
			MINIMUM	TYPICAL				
15	2700K	80	3382	3758	159	720	D	L2C6-2780xL08B1500
15	3000K	80	3541	3935	166	720	D	L2C6-3080xL08B1500
15	3500K	80	3603	4003	169	720	D	L2C6-3580xL08B1500
15	4000K	80	3710	4122	174	720	C	L2C6-4080xL08B1500
15	5000K	80	3710	4122	174	720	C	L2C6-5080xL08B1500
15	5700K	80	3664	4071	172	720	D	L2C6-57803L08B1500
22	2700K	80	4711	5234	161	990	D	L2C6-2780xL11B2200
22	3000K	80	4956	5507	169	990	D	L2C6-3080xL11B2200
22	3500K	80	5023	5581	171	990	D	L2C6-3580xL11B2200
22	4000K	80	5189	5766	177	990	C	L2C6-4080xL11B2200

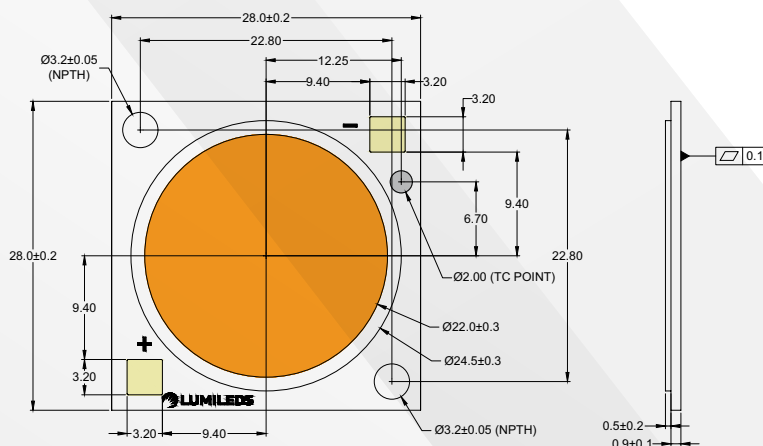
**Notes:**

1. Lumileds maintains a tolerance of  $\pm 2$  on CRI and  $\pm 6.5\%$  on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. R9 value of 90CRI products is  $>50$ .
4. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.
5. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.

**Mechanical Dimensions**



L2C6-xxxxxL08x1500



L2C6-xxxxxL11x2200

**Notes:**

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

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