



# LUXEON CoB Core Range PW

Engineered for vibrant colors



LUXEON CoB Core Range PW was built for applications that need the highest quality of light combined with market leading performances. Its beautiful color transforms areas into vibrant spaces. Above all, LUXEON CoB Core Range PW has a robust, long life span and fits easily into luminaire designs.

## FEATURES AND BENEFITS

- High efficacy and superior color quality at lower energy consumption
- Various LES sizes and flux output that fit different applications and requirements
- Best in class thermal resistance enabling the use of smaller heatsinks and prolonged product life span
- Supported by a comprehensive optical, mechanical, and electrical ecosystem

## PRIMARY APPLICATIONS

- Spotlights
- Track Lights
- Downlights
- Low Bay

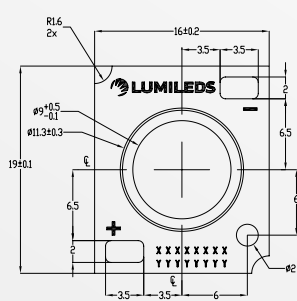
LUXEON CoB Core Range PW product performance at specified test current,  $T_j=85^{\circ}\text{C}$ .

PRODUCT	NOMINAL CCT	MINIMUM CRI <sup>[1, 2, 3]</sup>	LUMINOUS FLUX <sup>[1]</sup> (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	LES <sup>[4]</sup> (mm)	ENERGY EFFICIENCY CLASS <sup>[5]</sup>	PART NUMBER
			MINIMUM	TYPICAL					
LUXEON CoB PW 1203	3000K	80	1351	1501	145	300	9	E	L2C5-30801203F09P0
	3000K	90	1191	1324	128	300	9	E	L2C5-30901203F09P0
	3500K	90	1246	1384	134	300	9	E	L2C5-35901203F09P0
	4000K	90	1250	1389	134	300	9	E	L2C5-40901203F09P0
LUXEON CoB PW 1205	3000K	80	2739	3043	145	600	13	E	L2C5-30801205F13P0
	3000K	90	2413	2681	128	600	13	E	L2C5-30901205F13P0
	3500K	90	2509	2788	133	600	13	E	L2C5-35901205F13P0
	4000K	90	2595	2884	137	600	13	E	L2C5-40901205F13P0
LUXEON CoB PW 1208	3000K	80	4159	4621	148	900	15	D	L2C5-30801208F15P0
	3000K	90	3566	3962	127	900	15	E	L2C5-30901208F15P0
	3500K	90	3747	4163	133	900	15	E	L2C5-35901208F15P0
	4000K	90	3854	4283	137	900	15	E	L2C5-40901208F15P0
LUXEON CoB PW 1210	3000K	80	4230	4700	154	900	15	D	L2C5-30801210F15P0
	3000K	90	3601	4002	131	900	15	E	L2C5-30901210F15P0
	3500K	90	3784	4205	137	900	15	E	L2C5-35901210F15P0
	4000K	90	3915	4350	142	900	15	E	L2C5-40901210F15P0
LUXEON CoB PW 1211	3000K	80	5559	6177	148	1200	19	D	L2C5-30801211F19P0
	3000K	90	4836	5373	129	1200	19	E	L2C5-30901211F19P0
	3500K	90	5068	5631	135	1200	19	E	L2C5-35901211F19P0
	4000K	90	5203	5782	138	1200	19	E	L2C5-40901211F19P0

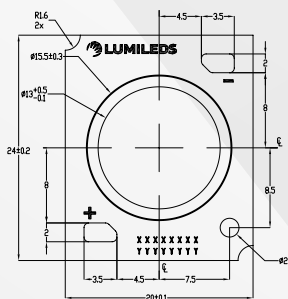
Notes:

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.

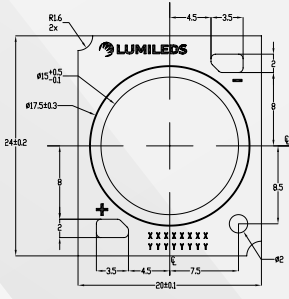
Mechanical Dimensions



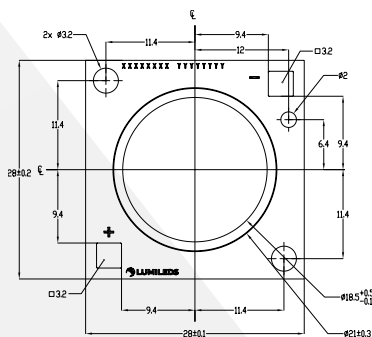
L2C5-xxxx1203x09P0



L2C5-xxxx1205x13P0



L2C5-xxxx1208x15P0  
L2C5-xxxx1210x15P0



L2C5-xxxx1211x19P0

©2022 Lumileds Holding B.V. All rights reserved.  
LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

[lumileds.com](http://lumileds.com)

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data. A listing of Lumileds product/patent coverage may be accessed at [lumileds.com/patents](http://lumileds.com/patents).