



LUXEON CoB Core Range PW Gen 6

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, $T_j=85^{\circ}\text{C}$.

LES ^[1] (mm)	NOMINAL CCT	MINIMUM CRI ^[2, 3, 4]	LUMINOUS FLUX ^[2] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS ^[5]	PART NUMBER ^[6]
			MINIMUM	TYPICAL				
6	3000K	90	961	1068	158	200	D	L2C5-30901202106Px
6	3500K	90	971	1078	159	200	D	L2C5-35901202106Px
6	4000K	90	978	1086	160	200	D	L2C5-40901202106Px
9	3000K	90	985	1095	161	200	D	L2C5-30901202109Px
9	3500K	90	997	1108	163	200	D	L2C5-35901202109Px
9	4000K	90	1007	1118	165	200	D	L2C5-40901202109Px
9	3000K	90	1453	1614	159	300	D	L2C5-30901203109Px
9	3500K	90	1458	1620	159	300	D	L2C5-35901203109Px
9	4000K	90	1459	1622	159	300	D	L2C5-40901203109Px
9	3000K	90	1894	2104	155	400	D	L2C5-30901204109Px
9	3500K	90	1917	2130	157	400	D	L2C5-35901204109Px
9	4000K	90	1935	2150	159	400	D	L2C5-40901204109Px
13	3000K	90	2863	3182	154	600	D	L2C5-30901205113Px
13	3500K	90	2916	3240	157	600	D	L2C5-35901205113Px
13	4000K	90	2967	3296	159	600	D	L2C5-40901205113Px
15	3000K	90	4325	4805	156	900	D	L2C5-30901208115Px
15	3500K	90	4344	4826	157	900	D	L2C5-35901208115Px
15	4000K	90	4508	5009	163	900	D	L2C5-40901208115Px
15	3000K	90	4369	4854	161	900	D	L2C5-30901210115Px
15	3500K	90	4460	4955	164	900	D	L2C5-35901210115Px
15	4000K	90	4500	5000	165	900	D	L2C5-40901210115Px

Notes:

1. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.
2. Lumileds maintains a tolerance of ± 2 on CRI and $\pm 6.5\%$ on luminous flux measurements.
3. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
4. R9 value of 90CRI products is >50 .
5. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.
6. "x" designates SDCM, 2=2-SDCM, 0=3SDCM.