



LUXEON CoB Core Range PW Gen 5

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°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	80	952	1058	156	200	D	L2C5-30801202H06Px
6	3000K	90	929	1032	152	200	D	L2C5-30901202H06Px
6	3500K	90	953	1058	156	200	D	L2C5-35901202H06Px
6	4000K	90	974	1082	160	200	D	L2C5-40901202H06Px
9	3000K	80	977	1086	160	200	D	L2C5-30801202H09Px
9	3000K	90	957	1063	157	200	D	L2C5-30901202H09Px
9	3500K	90	981	1090	161	200	D	L2C5-35901202H09Px
9	4000K	90	1003	1114	164	200	D	L2C5-40901202H09Px
9	3000K	80	1438	1598	157	300	D	L2C5-30801203H09Px
9	3000K	90	1384	1537	151	300	D	L2C5-30901203H09Px
9	3500K	90	1419	1577	155	300	D	L2C5-35901203H09Px
9	4000K	90	1451	1612	159	300	D	L2C5-40901203H09Px
9	3000K	80	1924	2138	158	400	D	L2C5-30801204H09Px
9	3000K	90	1839	2043	151	400	D	L2C5-30901204H09Px
9	3500K	90	1886	2096	155	400	D	L2C5-35901204H09Px
9	4000K	90	1928	2142	158	400	D	L2C5-40901204H09Px
13	3000K	80	2821	3134	151	600	D	L2C5-30801205H13Px
13	3000K	90	2835	3150	152	600	D	L2C5-30901205H13Px
13	3500K	90	2901	3223	156	600	D	L2C5-35901205H13Px
13	4000K	90	2963	3292	159	600	D	L2C5-40901205H13Px
15	3000K	80	4320	4800	156	900	D	L2C5-30801208H15Px
15	3000K	90	4253	4725	154	900	D	L2C5-30901208H15Px
15	3500K	90	4285	4762	155	900	D	L2C5-35901208H15Px
15	4000K	90	4495	4994	162	900	D	L2C5-40901208H15Px
15	3000K	80	4357	4841	160	900	D	L2C5-30801210H15Px
15	3000K	90	4221	4690	155	900	D	L2C5-30901210H15Px
15	3500K	90	4377	4863	161	900	D	L2C5-35901210H15Px
15	4000K	90	4482	4980	165	900	D	L2C5-40901210H15Px
19	3000K	80	5778	6420	156	1200	D	L2C5-30801211H19Px
19	3000K	90	5688	6320	154	1200	D	L2C5-30901211H19Px
19	3500K	90	5766	6407	156	1200	D	L2C5-35901211H19Px
19	4000K	90	5905	6562	160	1200	D	L2C5-40901211H19Px

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 ±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. Part number ends with "x" designates SDCM, 2=2-SDCM, 0=3SDCM.

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