



LUXEON CS CoB with CrispColor Technology

Fashion retail lighting that makes an impact, highlighting rich colors and increasing contrast



The LUXEON CS CoB with CrispColor Technology LED is the ultimate solution that makes colors pop and makes fabrics come to life. With efficient solid state lighting technology, the contrast of colors has never been so vivid. Our special phosphor technology has created a higher gamut color rendering than existing solutions with a specific color point below the Black Body Line to allow for Class A products. Combined with industry leading performance, LUXEON CS CoB with CrispColor Technology creates a highly impactful retail experience with all of the advantages, including lowest Rth, small Light Emitting Surface (LES) and 3-step MacAdam ellipse color definition, which is tested at 85°C.

FEATURES AND BENEFITS

- Widely used square footprints for easy design-in
- High performance with superior color quality
- 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
- Indoor Area Lighting
- Lamps
- More...

LUXEON CS CoB with CrispColor Technology product performance at specified test current, T_j=85°C.

LES ^[4] (mm)	NOMINAL CCT	MINIMUM CRI ^[1, 2, 3]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS ^[5]	PART NUMBER
			MINIMUM	TYPICAL				
6	2700K	90	605	672	110	180	F	L2C6-27HG3L02A0600
6	3000K	90	653	726	119	180	E	L2C6-30HG3L02A0600
6	3250K	90	666	740	121	180	E	L2C6-33HG3L02A0600
6	3500K	90	675	750	123	180	E	L2C6-35HG3L02A0600
6	4000K	90	710	789	129	180	E	L2C6-40HG3L02A0600
6	5000K	90	736	818	134	180	E	L2C6-50HG3L02A0600
9	2700K	90	925	1028	112	270	F	L2C6-27HG3L03A0900
9	3000K	90	992	1102	120	270	E	L2C6-30HG3L03A0900
9	3250K	90	1038	1153	126	270	E	L2C6-33HG3L03A0900
9	3500K	90	1057	1174	128	270	E	L2C6-35HG3L03A0900
9	4000K	90	1087	1208	132	270	E	L2C6-40HG3L03A0900
9	5000K	90	1129	1254	137	270	E	L2C6-50HG3L03A0900
9	2700K	90	1247	1386	114	360	F	L2C6-27HG3L04A0900
9	3000K	90	1309	1454	119	360	E	L2C6-30HG3L04A0900
9	3250K	90	1380	1533	126	360	E	L2C6-33HG3L04A0900
9	3500K	90	1396	1551	127	360	E	L2C6-35HG3L04A0900
9	4000K	90	1451	1612	132	360	E	L2C6-40HG3L04A0900
9	5000K	90	1522	1691	139	360	E	L2C6-50HG3L04A0900
13	2700K	90	1555	1728	113	450	F	L2C6-27HG3L05A1300
13	3000K	90	1687	1874	123	450	E	L2C6-30HG3L05A1300
13	3250K	90	1725	1917	126	450	E	L2C6-33HG3L05A1300
13	3500K	90	1753	1948	128	450	E	L2C6-35HG3L05A1300
13	4000K	90	1831	2034	133	450	E	L2C6-40HG3L05A1300
13	5000K	90	1918	2131	140	450	E	L2C6-50HG3L05A1300
15	2700K	90	2437	2708	111	720	F	L2C6-27HG3L08A1500
15	3000K	90	2713	3014	123	720	E	L2C6-30HG3L08A1500
15	3250K	90	2727	3030	124	720	E	L2C6-33HG3L08A1500
15	3500K	90	2754	3060	125	720	E	L2C6-35HG3L08A1500
15	4000K	90	2878	3198	131	720	E	L2C6-40HG3L08A1500
15	5000K	90	2977	3308	136	720	E	L2C6-50HG3L08A1500
22	2700K	90	3473	3859	115	990	F	L2C6-27HG3L11A2200
22	3000K	90	3753	4170	124	990	E	L2C6-30HG3L11A2200
22	3250K	90	3832	4258	127	990	E	L2C6-33HG3L11A2200
22	3500K	90	3913	4348	130	990	E	L2C6-35HG3L11A2200
22	4000K	90	4090	4544	135	990	E	L2C6-40HG3L11A2200
22	5000K	90	4283	4759	142	990	E	L2C6-50HG3L11A2200

Notes:

1. Lumileds maintains a tolerance of ±2 on CRI and ±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.