

CLM/CXM/CHM-9 COB Array Product Family White LEDs



Description

XNOVA™ chip-on-board (COB) arrays are optimized to provide outstanding quality of light for spot lighting and directional applications where flux density, high CRI, and outstanding efficacy are essential. The CLM/CXM/CHM-9 product family is designed for directional bulbs, such as the PARs, and fixtures such as downlights and track lights with flux output ranging from 700 to 2,000 lumens. Efficacy over 125 lumens per watt (LPW) at 85°C provides energy savings, and CRI as high as 97 delivers brilliant color rendering for the most demanding applications. XNOVA™ COBs enable outstanding directional lighting with tight color control, the highest efficacy, UL approved safety, and LM-80 verified reliability for peace-of-mind illumination.

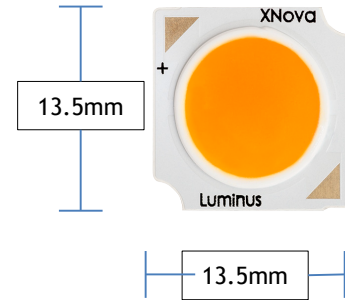
Features

- Industry standard form-factor
 - Compatible with leading suppliers connectors, holders and optics
- High Lumen per Watt
 - 128 LPW @ 3000K, 25°C
 - 140 LPW @ 5000K, 25°C
- 2700K, 3000K, 3500K, 4000K, 5000K, 6500K
 - 80 CRI min., 90 CRI in warm white
 - 95 CRI min. AccuWhite Series
- High temperature (85°C) binning
 - Predictable color and light flux output
- 2-step MacAdam ellipse chromaticity binning option, 3 SDCM standard
 - Most stable color control

Applications

- Spot and Track Lighting
- Shop and Retail Lighting
- Directional with high color rendering
- Hospitality and office space
- CDM replacements
- Halogen replacements
- PAR Bulbs





CLM/CXM/CHM-9-AC00

Product Performance - CLM/CXM/CHM-9, 36V; $T_j = 85^\circ\text{C}$

Product	Drive Current (Typical)	Power (Typical)	CRI	CCT (K)	Lumen 1x (85°C)	LPW 1x (85°C)	Lumen 1.5x (85°C)	LPW 1.5x (85°C)
CLM-9	126mA	5.6W	80	2700	630	113	882	105
				3000	660	118	924	110
				5000	720	129	1,008	120
CXM-9	240mA	8.4W	80	2700	920	110	1,288	102
				3000	980	117	1,372	109
				5000	1,060	126	1,484	118
CHM-9	360mA	13W	80	2700	1,305	100	1,827	94
				3000	1,380	106	1,932	99
				5000	1,500	115	2,100	108

Product CCT and CRI Combinations

CRI	2700K	3000K	3500K	4000K	5000K	6500K
80	Available					
90	Available					Not Available
95	Available				Not Available	

Where to Buy

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