

CXM/CHM-14 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 CXM/CHM-14 product family is designed for directional bulbs, such as the PARs, and fixtures like downlights and track lights with flux output ranging from 2,000 to 4,000 lumens. Efficacy over 135 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.

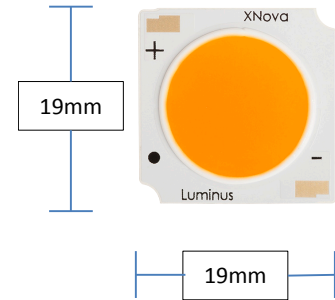
Features

- Wide range of lumen packages
 - 1,900 lm to over 4,000 lm, 85°C
- High Lumen per Watt
 - 117 LPW at 3000K, 85°C
 - 139 LPW at 5000K, 85°C
- 2700K, 3000K, 3500K, 4000K, 5000K, 6500K
 - 70, 80, 90 and 95CRI min.
- High temperature (85°C) binning
 - Predictable color and light flux output
- 3-step MacAdam ellipse chromaticity binning 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





CXM/CHM-14-AC00

Product Performance - CXM/CHM-14, 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)
CXM-14	480mA	17.3W	80	2700	1,920	111	2,688	104
				3000	2,030	117	2,842	110
			70	4000	2,270	131	3,178	122
				5000	2,330	135	3,262	126
CHM-14	720mA	25.2W	80	2700	2,750	109	3,850	102
				3000	2,890	115	4,046	107
			70	4000	3,255	129	4,557	121
				5000	3,330	132	4,662	123

Product CCT and CRI Combinations

CRI	2700K	3000K	3500K	4000K	5000K	6500K
70						
80						
90						
95						

Where to Buy

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