

CXM/CHM-22 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-22 product family is designed for a wide range of high lumen industrial and commercial applications with flux output ranging from 5,000 to over 10,000 lumens. Efficacy over 130 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.

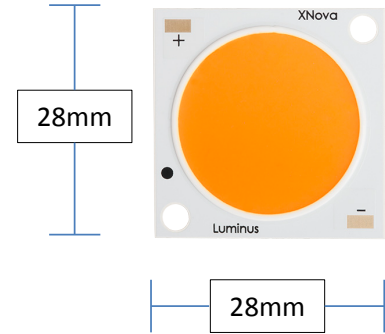
Features

- Industry standard form-factor
 - Matches leading suppliers connectors, holders and optics
- High Lumen per Watt
 - Over 8,500 lm, 134 LPW @ 5000K, 85°C
- 2700K, 3000K, 3500K, 4000K, 5000K, 6500K
 - 70, 80 and 90 CRI min.
 - 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

- Industrial and Warehouse Lighting
- Shop and Retail Lighting
- Directional with high color rendering
- High efficacy outdoor applications
- CMH/CDM replacements





Product Performance - CXM/CHM-22, 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-22	1,280mA	45W	80	2700	5,110	114	7,154	106
				3000	5,400	120	7,560	112
			70	4000	6,060	135	8,484	126
				5000	6,205	138	8,687	129
CHM-22	1,920mA	65W	80	2700	7,080	109	9,912	102
				3000	7,465	115	10,451	107
			70	4000	8,385	129	11,739	120
				5000	8,725	134	12,215	125

Product CCT and CRI Combinations

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

Where to Buy

Luminus Devices, Inc.

US Headquarters

Tel: +1 (408) 708-7000
sales@luminus.com
www.luminus.com

Luminus China

Ning Fang: +86 13606901640
Xiamen City, Fujian Province,
361009, P.R. China
Tel: +86-592-5500720

Luminus Customer Service

Tel: +1 (978) 528-8000,
Email: cs@luminus.com

Europe, Middle East, Africa:

EBV Elektronik GmbH & Co.KG

Tel: +49 8121.774 0
generallighting@ebv.com
www.ebv.com

Worldwide:

Mouser Electronics, Inc.

Tel: +1 800.346.6873
sales@mouser.com
www.mouser.com

Digi-Key

Tel: +1 800.344.4539
webmaster@digkey.com
www.digkey.com

Asia-Pacific:

Avnet Asia

Tel: +86-13316928860
horseman.gan@avnet.com
www.em.avnetasia.com

XMholder(China)

Tel: +86-135-9952-5710
Jianguo_wang@xmholder.com
www.xmholder.com

SIMO (China)

Tel: +86-159-6038-0250
mark.wei@simoasia.com
www.simoasia.com