

CXM-9-AC10

2nd Generation

COB Array

White LED



Description

Luminus Next Generation LED Arrays deliver solutions for spot lighting and directional applications in general lighting. CXM-9 sets the new standard for efficacy delivering over 130 lumen per Watt at 85°C, 3000K and 80 CRI. These products are designed for PAR series bulbs and fixtures types with lumen packages targeting 1,000 lm. Higher efficacy give the product a lower operating cost. Available in a range of color temperatures and color rendering suitable for the most demanding commercial applications. Luminus COBs are directional LED light source, with tight color control, the highest efficacy, quality built to ISO certified manufacturing standards, with UL approved safety and LM-80 verified reliability for peace-of-mind supply.

Features

- High Lumen per Watt
 - Over 1,050 lm, 130 LPW @ 3000K, 85°C
 - Over 1,150 lm, 141 LPW @ 5000K, 85°C
- CCTs 2700K, 3000K, 3500K, 4000K, 5000K, 6500K
 - 80 CRI min., 90 CRI
 - 95 CRI min. AccuWhite Series
- Compatible with connectors, holders, optics, power supplies and heat sinks
- High temperature (85°C) binning
 - Most accurate color and light output
- 2-step MacAdam ellipse chromaticity binning option, 3-step 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





Product Performance - CXM-9, 35V, 8.3W, $T_j = 85^\circ\text{C}$

Series	LES (mm)	Dimensions (mm)	Curent 1x Drive	Power (W) 1x Drive Current	CCT	CRI (min)	LumenTyp. (85°C) 1x Drive	LPW (85°C) 1x Drive	LumenTyp. (85°C) 1.5x Drive	LPW (85°C) 1.5x Drive	
CXM-9	9	13.5x13.5	240mA	8.3	2700K	80	1,010	122	1,290	102	
						90	790	96	1,010	80	
						95	750	90	950	76	
						3000K	80	1,080	130	1,370	109
							90	915	110	1,160	92
							95	845	102	1,080	86
					3500K	80	1,110	134	1,415	112	
						90	940	114	1,220	97	
					4000K	80	1,155	139	1,615	128	
						90	980	118	1,370	109	
					5000K	80	1,165	141	1,630	130	
					6500K	80	1,200	145	1,680	133	

Luminus Devices:

Luminus Headquarters
 Tel: +1-978-528-8000
 sales@luminus.com
 www.luminus.com

Luminus China
 Yong liao: +86-133-0604-9810
 Ning Fung: +86-136-0690-1640
 www.luminus.com

North America:

Avnet Electronics Marketing
 Tel: +1-480-643-8329
 phlatlight@avnet.com
 www.em.avnet.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@digikey.com
 www.digikey.com

Asia-Pacific:

Avnet Asia (HQ -Singapore)
 Tel: +65 6580.6000
 asean@avnet.com
 www.em.avnetasia.com

XMHolder
 Tel: +65 658
 sales@XMHolder.com
 www.XMHolder.com

SIMO (China)
 Tel: +86-159-6038-0250
 mark.wei@simoasia.com
 www.simoasia.com