

Sensus™ LED Series

Pure White Targeted COB Arrays

Below the Black Body Locus (BBL)

Preliminary Data



Description

The Luminus XNOVA Sensus™ LED Series is specifically targeted below the BBL to deliver warm, pure white light and brighter colors. Designed around the most popular commercial color point, 3000K, the Sensus™ products deliver 80 CRI minimum, while providing the human eye with crisper whites and more vivid colors, especially reds. Since the effect is achieved by color targeting in the lower half of the ANSI 3000K nominal chromaticity space, efficacy and light output levels are comparable to the standard chromaticity product.

Sensus™ products are available across 7 XNOVA form factors with LES sizes ranging from 6.3mm diameter to 22mm. These sizes were specifically chosen to match retail ceramic metal halide and halogen lamps.

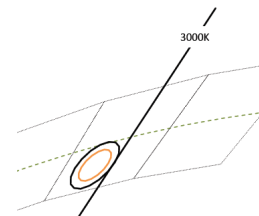
Features

- Wide range of products from CXM-6 through CXM-22
- Lumen ranges from
 - 300lm to over 7,500 lm @ 3000K, 85°C
- 3000K CCT
 - 80 CRI minimum
- High temperature (85°C) binning
 - Most accurate color and light output
- 3-step MacAdam Ellipse binning standard
 - 2 SDCM color bin available

Applications

- Retail shop lighting
- CMH replacement LED lamps
- Halogen replacement LED lamps
- Hospitality

Chromaticity Target





Sensus™ LED Series

In commercial retail lighting application light color can greatly effect perception. The Sensus™ LED Series is designed to create more appealing looking merchandise. White colors look purer, while reds and other other colors appear brighter and more crisp.

Output Flux (lm)				Ordering Part Number	
Typ. (85°C)	Min. (85°C)	Typ. (Calculated) (25°C)	Typ. Current (mA)	3-step MacAdam Ellipse	2-step MacAdam Ellipse
445	420	495	120	CXM-6-30-80-36-AA02-F2-3	CXM-6-30-80-36-AA02-F2-2
615	585	685	160	CXM-7-30-80-36-AA02-F2-3	CXM-7-30-80-36-AA02-F2-2
930	885	1025	240	CXM-9-30-80-36-AA02-F2-3	CXM-9-30-80-36-AA02-F2-2
				CXM-9-30-80-36-AC02-F2-3	CXM-9-30-80-36-AC02-F2-2
1235	1175	1365	320	CXM-11-30-80-36-AA02-F2-3	CXM-11-30-80-36-AA02-F2-2
1930	1830	2135	480	CXM-14-30-80-36-AA02-F2-3	CXM-14-30-80-36-AA02-F2-2
				CXM-14-30-80-36-AC02-F2-3	CXM-14-30-80-36-AC02-F2-2
3210	3050	3560	800	CXM-18-30-80-36-AA02-F2-3	CXM-18-30-80-36-AA02-F2-2
5130	4870	5700	1280	CXM-22-30-80-36-AC02-F2-3	CXM-22-30-80-36-AC02-F2-2

Where to Buy

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