![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

XNOVA

Description

The XNOVA array series provide a full range of LED solutions for the most demanding spot lighting, down lighting and directional applications in general lighting. Available in lumen packages from less than 350 to over 9,000 lm, efficacies exceeding 100 LPW and CRIs with as high as 97 XNOVA provide lighting designers and manufacturers with the choices necessary to meet optimum performance at the most cost effective price. Tight color control combined with the highest performance, quality, consistency and reliability means XNOVA is the one stop solution.

Features

- Wide range of lumen packages
    - 350lm to over 8,000 lumen, 3000K, 85ºC
- High Lumen per Watt
    - 120 LPW typical at 3000K, 25ºC
    - 135 LPW typical at 5000K , 25ºC
- 2700K, 3000K, 3500K, 4000K and 5000K
- Color Quality options CRI 95, 90 and 80 min.
- High temperature (85ºC) binning
    - Most accurate color and light output
- 2-step MacAdam ellipse chromaticity binning available
    - 3-step MacAdam ellipse binning standard

Applications

- Spot and Track Lighting
- Shop and Retail Lighting
- Directional with high color rendering
- Hospitality and office space
- Halogen/CDM replacements
- PARs, BRs, MR-16's, AR-111
- Industrial high bay
- Outdoor area and roadway
- Architectural and Landscape

XNOVA LED Solutions

CXM COB LED Arrays

Shop and Retail Lighting

Shop owners and retailers know the secret to successful sales is the right product lighting. Lighting helps products look their best and this can be key for colorful merchandise like grocery store produce and luxury items. However, with the continuously increasing cost of electricity finding the best compromise is a tough job. XNOVA 90 CRI LEDs solve this problem by delivering the high color rendering while maintaining low energy consumptioin (high efficacy). These attibutes assure your lighting can make products "pop" without paying all your profits to the electric company.

XNOVA 90 CRI Minimum

XNOVA	LES (mm)	Power (W) (Measured)	CCT (K)	Lumen Typ. 1x Current (85ºC)	Lumen Typ. 2x Current (85ºC)
CXM-6	6.3	4.3	2700	350	630
			3000	390	700
CXM-7	7.5	5.8	2700	470	845
			3000	520	935
CXM-9	9	8.6	2700	675	1215
			3000	755	1360
CXM-14	13.5	17.3	2700	1395	2510
			3000	1560	2810
CXM-18	17.5	28.8	2700	2520	4535
			3000	2990	5380

XNOVA 95 CRI Minimum

XNOVA	LES (mm)	Power (W) (Measured)	CCT (K)	Lumen Typ. 1x Current (85ºC)	Lumen Typ. 2x Current (85ºC)
CXM-6	6.3	4.3	2700	325	585
			3000	370	665
CXM-7	7.5	5.8	2700	440	790
			3000	495	890
CXM-9	9	8.6	2700	640	1150
			3000	720	1300
CXM-14	13.5	17.3	2700	1315	2365
			3000	1495	2690
CXM-18	17.5	28.8	2700	2190	3940
			3000	2485	4475

Specialty Lighting

When only the highest color rendering is needed, XNOVA has the solution. Available in standard 3-step binning, the 95CRI min. devices will deliver incandescent type light with the cost effective energy consumptioin (high efficacy) of LEDs.

Ask for XNOVA 95CRI when you need the highest color renedering in the most cost effective package. XNOVA's make your lighting targets come alive with color.

CXM COB LED Arrays

XNOVA

Spot, Track and Down Lighting

Whether it's retail, hospitality, office, residential or replacement bulbs, sometime its all about energy consumption and payback period. When searching for this solution in warm white LEDs, XNOVA can delivers some of the best value in the business.

XNOVA can deliver Energy Star performance in at a range of cost points. Designed to operate at either the highest efficiency or the highest lumen output, XNOVA lets you choose which solution best meets your needs.
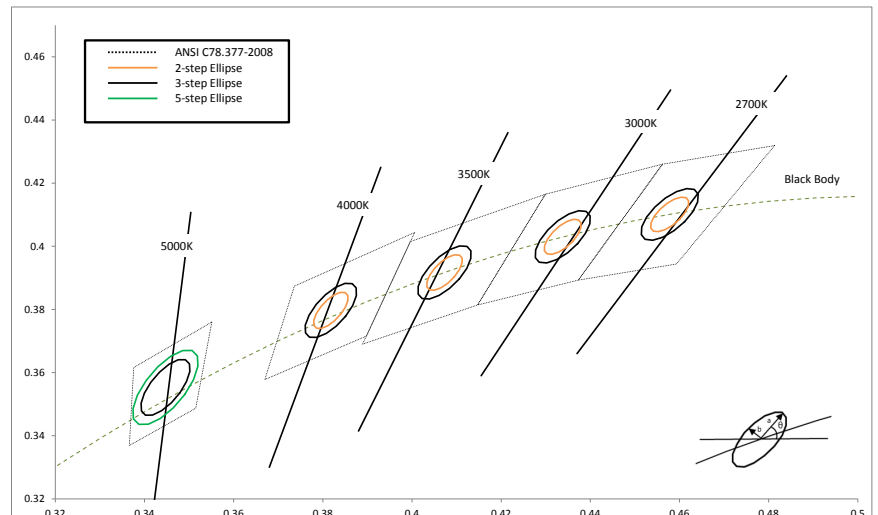
XNOVA 80 CRI Minimum					
XNOVA	LES (mm)	Power (W) (Measured)	CCT (K)	Lumen Typ. 1x Current (85ºC)	Lumen Typ. 2x Current (85ºC)
CXM-6	6.3	4.3	2700	450	810
			3000	470	846
CXM-7	7.5	5.8	2700	600	1080
			3000	630	1134
CXM-9	9	8.6	2700	875	1575
			3000	920	1656
CXM-14	13.5	17.3	2700	1800	3240
			3000	1880	3384
CXM-18	17.5	28.8	2700	3010	5418
			3000	3120	5616

85ºC Testing

All testing and binning for XNOVA products is done at temperatures that will be typical for the device in the fixture. By testing this way, common shifts in flux or color as a function of temperature, most pronounced between 25ºC and nominal operating temperatures will be already accounted for prior to designing the light. While some may not provide this detail, XNOVA is about enabling designers to select the best choice and get what they expect.

Chromaticity Bins 3-step Standard

LUMINUS

3

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CXM COB LED Arrays

XNOVA 5000K, 75 CRI Minimum				
XNOVA	LES (mm)	Power (W) (Measured)	Lumen Typ. 1x Current (85ºC)	Lumen Typ. 2x Current (85ºC)
CXM-7	7.5	5.8	685	1235
CXM-9	9	8.6	995	1790
CXM-14	13.5	17.3	2050	3690
CXM-18	17.5	28.8	3415	6145
CXM-27	26.5	64.8	7755	13960

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