

MP-1616

2nd Generation XNOVA Cube™ LED



Description

The XNOVA Cube™ is an innovative, unique LED providing the benefits of a wide viewing angle, low thermal resistance, and high efficacy within a compact SMD footprint. The 1.6mm x 1.6mm package emits uniformly across a 170+ degree viewing angle, enabling designers with new degrees of freedom to solve many of today's most demanding lighting challenges. This broad emission simplifies Energy Star compliance for omnidirectional bulbs, and it results in increased mixing and uniformity for linear and area lighting applications. The miniature package size with high lumen density creates a "point source" of light that provides flexibility to develop innovative optical solutions. Additionally, the XNOVA Cube advances the hallmark characteristics of the XNOVA illumination product family, including high efficacy, reliability, and color fidelity.

Features

- Wide viewing angle: 170+ degrees
- Compact: 1.6mm x 1.6mm
- High efficacy: 120 LPW (typical)
- Wide color selection: 2700K-5000K
- Low thermal resistance ~ 8 degrees C/W
- 6V input

Applications

- Ideal for directional and diffuse lighting
- Replacement lamps
- Panel lighting
- High/Low Bay
- Down lighting

MP-1616 Mid Power LED

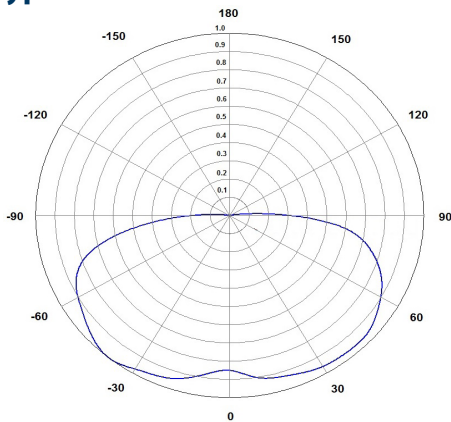


Product Selection Table

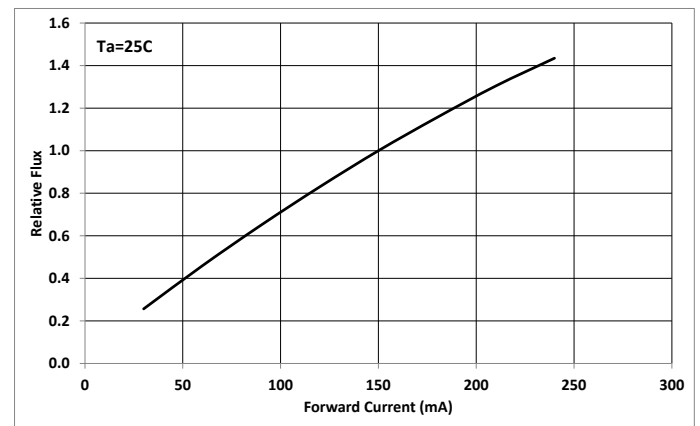
Test condition = 150 mA, 25C

Nominal CCT	Minimum CRI	Ordering Part Number	Minimum Flux (Lumens)	Typical Flux (Lumens)
2700K	80	MP-1616-2100-27-80	100	115
	90	MP-1616-2100-27-90	81	100
3000K	80	MP-1616-2100-30-80	107	118
	90	MP-1616-2100-30-90	87	100
3500K	80	MP-1616-2100-35-80	107	125
	90	MP-1616-2100-35-90	94	109
4000K	80	MP-1616-2100-40-80	114	129
	90	MP-1616-2100-40-90	100	110
5000K	80	MP-1616-2100-50-80	114	130
	90	MP-1616-2100-50-90	100	110

Typical Polar Radiation Pattern



Flux vs. Current



For further information



<http://www.luminus.com/products/midpower>



<http://www.luminus.com/wheretobuy>

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