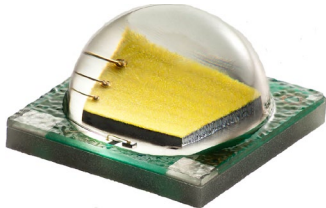


Cree® XLamp® XM-L LEDs



PRODUCT DESCRIPTION

The XLamp® XM-L LED is the industry's highest performance, single-die white lighting-class LED. The XLamp XM-L LED is 20% more efficient than the XLamp XP-G LED at the same current, and can deliver 1000 lumens with 100 lumens per watt efficacy. The XLamp XM-L LED offers Cree's industry-leading features: wide viewing angle, symmetrical package, unlimited floor life and electrically neutral thermal path.

XLamp XM-L LEDs can enable LED light into new applications that require tens of thousands of lumens, such as high bay and high-output area lighting. The XM-L is also the ideal choice for lighting applications where high light output and maximum efficacy are required, such as LED light bulbs, outdoor lighting, portable lighting, indoor lighting and solar-powered lighting.

FEATURES

- Maximum drive current: 3000 mA
- Low thermal resistance: 2.5 °C/W
- Maximum junction temperature: 150 °C
- Viewing angle: 125°
- Available in cool white, 80-CRI minimum neutral white and 80-CRI, 85-CRI and 90-CRI warm white
- ANSI-compatible chromaticity bins
- Unlimited floor life at ≤ 30 °C/85% RH
- Reflow solderable - JEDEC J-STD-020C
- Electrically neutral thermal path
- RoHS- and REACH-compliant
- UL® recognized component (E349212)



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