



CBM-360 Big Chip White LED



Description

Designed for high brightness specialty lighting applications, the CBM-360 is engineered for illumination systems that require maximum lumens/mm² at the source. Featuring a low profile window and direct chip-to-air emission, the CBT-90 is optimized for coupling to proximity optics and optical fiber.

Features & Benefits

- Over 5,000 lumens
- Uniform 36mm² emitting area
- Thermal resistance of only 0.96 °C/W
- Lumen maintenance of greater than 70% after 60,000 hours
- Environmentally friendly: RoHS compliant
- Variable drive currents: 1.0A – 6.3 A
- High reliability

Applications

- Medical illumination
- Fiber Coupled Illumination
- Entertainment Wash Lighting
- Projection Display
- Microscopy
- Automotive Forward Lighting

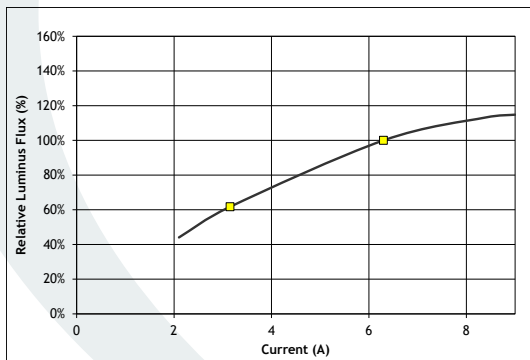
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Product Performance

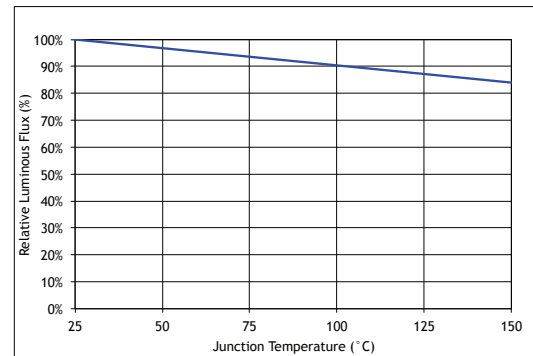
| Product | Max. Lumens | Color | Input Power | Typical Voltage, Current |
|---------|-------------|------------------|-------------|--------------------------|
| CBM-360 | 4,400 | 5,700K to 6,500K | 10W to 85W | 14.4V, 6.3A |

Relative Luminous Flux vs. Forward Current ($T_j = 25^\circ\text{C}$)



Yellow squares indicate reference drive conditions

Relative Luminous Flux vs. Junction Temperature



Where to Buy

North America:

Avnet Electronics Marketing
Tel: +1 480.643.8329
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www.em.avnet.com

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