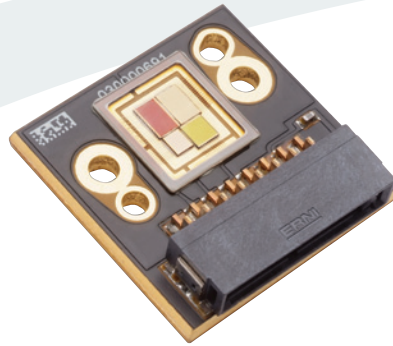




CBM-380 Big Chip RGBW LED



Description

The CBM-380 Color Mix LED can generate 3,000+ color balanced white lumens, and consists of an array of individually addressable Red, Green, Blue and White emitters in a chip-on-board package. Each chip emits directly to air, which enables the use of proximity optics for color mixing and the elimination of color fringing.

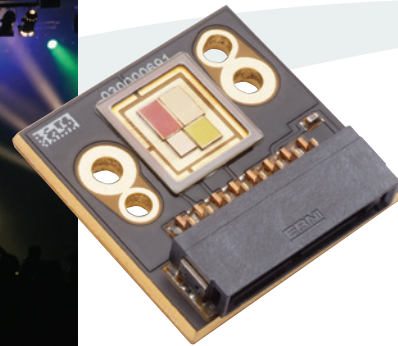
Features & Benefits

- Extremely high optical output: up to 700 Red lumens
up to 2,000 Green lumens
up to 300 Blue lumens
up to 1,600 White lumens
- High thermal conductivity package - junction to heat sink thermal resistance as low as 0.8 °C/W per die
- Photonic lattice technology for very high surface brightness and uniform emission
- Large, monolithic chip with emitting area of up to 12 mm²
- High luminous efficacy
- Lumen maintenance of greater than 70% after 60,000 hours
- Environmentally friendly: RoHS compliant
- Variable drive currents: less than 1A – 12A to full reliability
- Available in RGBW combination

Applications

- Entertainment
- Architectural Lighting
- Medical Lighting
- Spot Lighting
- Fiber Coupled Illumination
- Emergency Vehicle Lighting
- Machine Vision
- Displays and Signage
- General Illumination

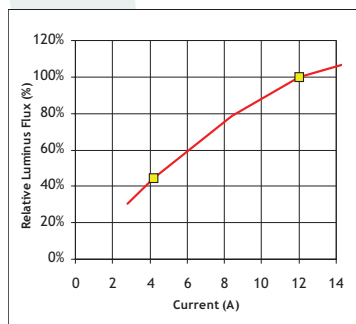
CBM-380 Big Chip RGBW LED



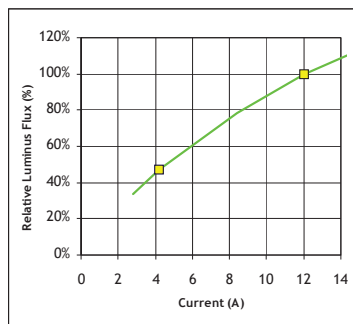
Product Performance

Product	Emitter	Dominant Wavelength	Chip Emitting Areas	Drive Current Typical (CW)	Lumen Range
CBM-380	Red	623nm	12mm ²	12.0A	260-600 lumens
	Green	525nm	12mm ²	12.0A	800-1,700 lumens
	Blue	460nm	5.4mm ²	8.1A	70-190 lumens
	White	6500K CCT	9mm ²	9.0A	650-1,400 lumens

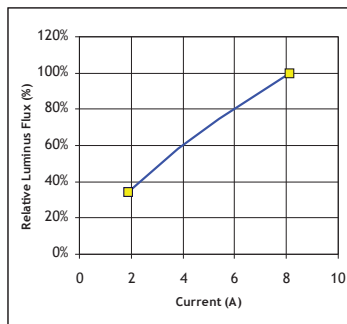
Red Flux



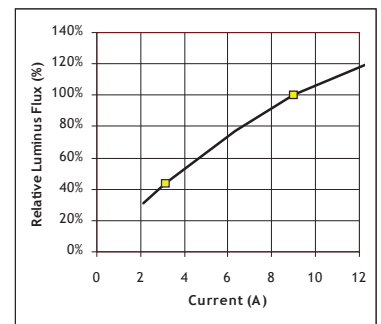
Green Flux



Blue Flux



White Flux



Yellow squares indicate reference drive conditions

Where to Buy

North America:

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Tel: +1 480.643.8329
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