

10mm Warm Dim COB

Chip-on-Board Warm Dim Constant Current LED Module

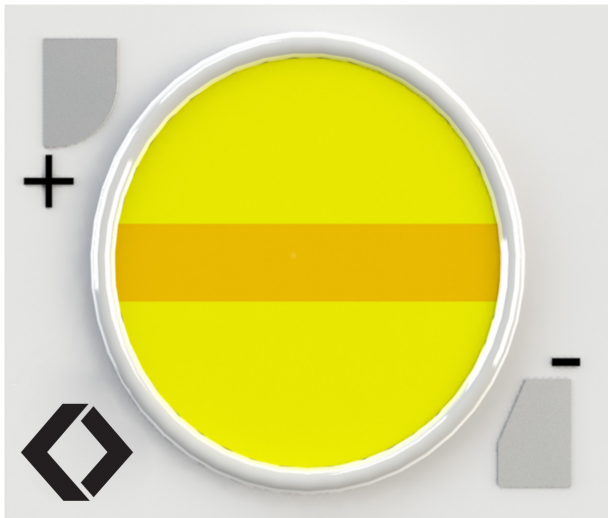


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Project ||

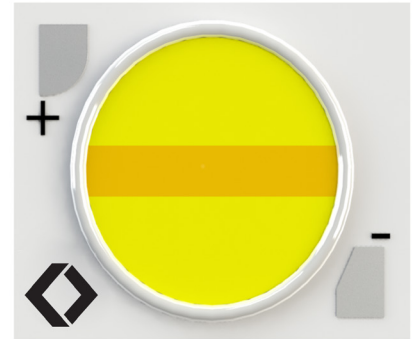
Type ||

Quantity ||

10mm Warm Dim COB

Chip-on-Board Warm Dim Constant Current LED Module

LUXTECH COB Warm Dim matches the halogen dimming curve, providing a comfortable warm glow as brightness decreases. It works with standard dimmable drivers and eliminates the need for complex controls. COB Warm Dim maintains 90+ CRI throughout the dimming range.



FEATURES

- » 5-Year Warranty
- » Chip-on-board module
- » Ceramic substrate
- » Mimics halogen dimming with constant current reduction dimmers and drivers
- » Works with standard 0-10V, ELV, and TRIAC drivers
- » Constant Current Input
- » 98 lm/W
- » CCT Range: 3000K-1800K
- » 3-step MacAdam Binning
- » 90 CRI Standard throughout the dimming curve
- » LM-80 Tested

GENERAL SPECIFICATIONS

- » Forward Voltage: 36 V +/- 3.5V
- » Nominal 1220 lm at 350mA, 25°C
- » Color Rendering Index: 90+ throughout dimming range
- » L70 > 45,000 Hrs (Calculated, Ts = 105°C, 350 mA)
- » 10mm Diameter Light Emitting Surface
- » Board Size: 12mm x 15mm

Project ||

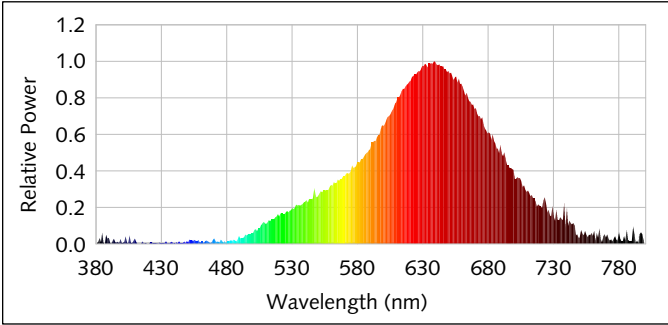
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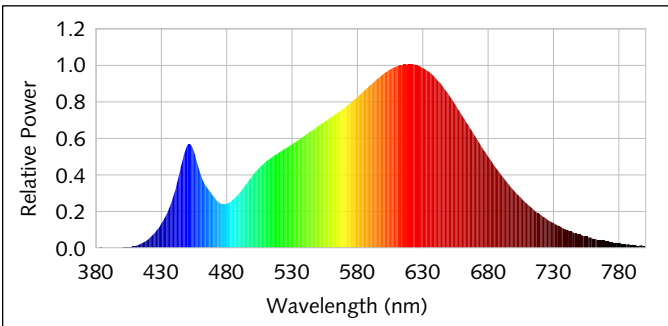
OPTICAL SPECIFICATIONS

SPECTRAL POWER DISTRIBUTION, WHITE

1800K 3-STEP



3000K 3-STEP



Project ||

Type ||

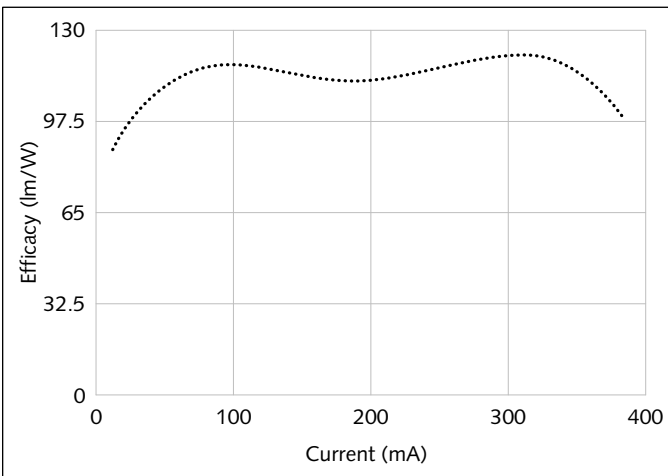
Quantity ||

ELECTRICAL CHARACTERISTICS

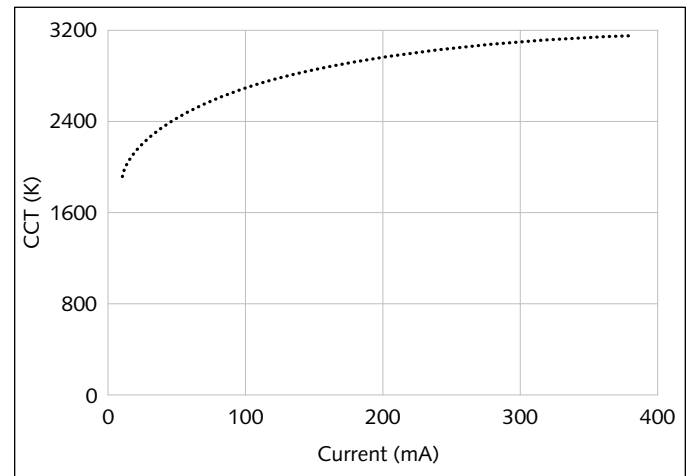
Assuming 25°C

| Current (mA) | 10 | 50 | 100 | 200 | 385 |
|--------------|------|------|------|------|------|
| Voltage (V) | 28.3 | 31.4 | 32.4 | 33.9 | 36.6 |
| CCT (K) | 1800 | 2553 | 2795 | 2917 | 3000 |
| Flux (lm) | 25 | 175 | 380 | 765 | 1380 |

EFFICACY VS. CURRENT



CCT VS. CURRENT



Project ||

Type ||

Quantity ||

ABSOLUTE MAXIMUM RATINGS

WHITE

| | |
|------------------|------|
| Current (mA) | 385 |
| Voltage (V) | 36.5 |
| CCT (K) | 3000 |
| Flux (lm) | 1800 |
| Temperature (°C) | 85 |

Project ||

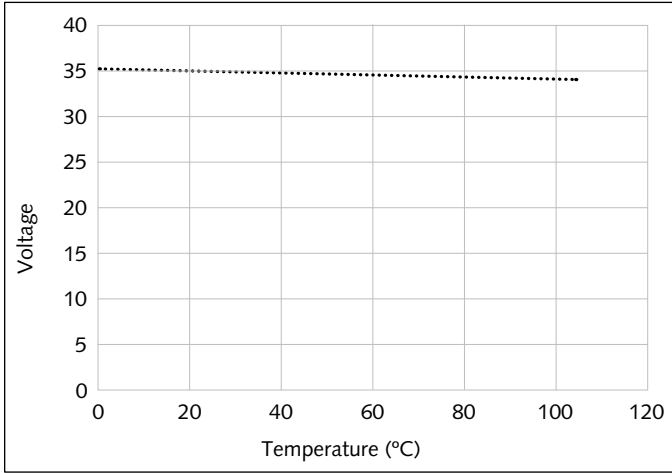
Type ||

Quantity ||

DERATING

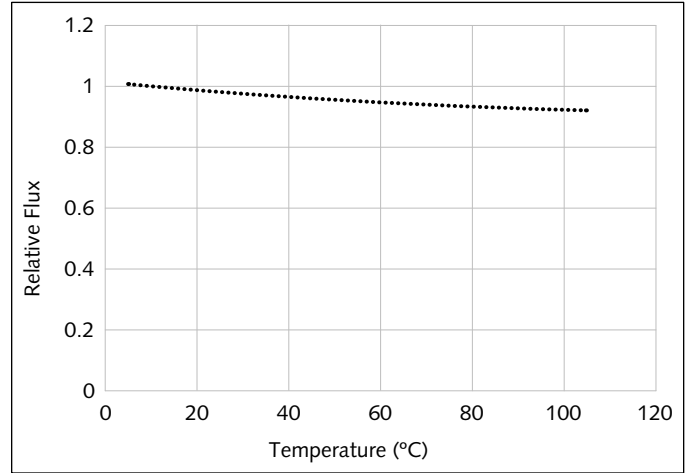
VOLTAGE VS. TEMPERATURE

WHITE



FLUX VS. TEMPERATURE

WHITE



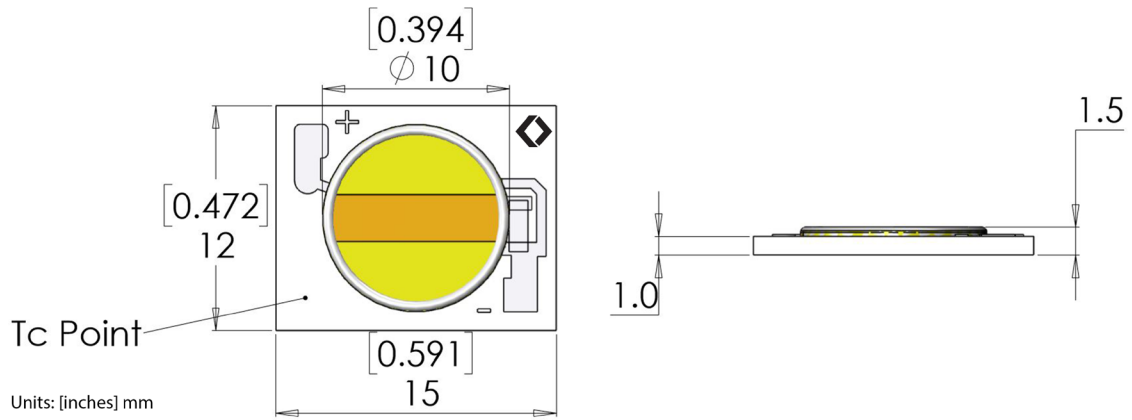
Project ||

Type ||

Quantity ||

MECHANICAL CHARACTERISTICS

TECHNICAL DRAWING



PRODUCT DIMENSIONS

| PARAMETER | SPECIFICATION (IN) |
|------------------|--------------------|
| Length | 0.591 |
| Width | 0.472 |
| Thickness | 0.059 |

Project ||

Type ||

Quantity ||

ACCESSORIES AND DESIGN RESOURCES

DRIVER SELECTION

Recommended for use with the following drivers:

| RECOMMENDED BRANDS | MODEL | DIMMING |
|-----------------------|-----------------|---------|
| AC Electronics | AC-15CT350AFS | TRIAC |
| EldoLED | SoloDrive 261/S | 0-10V |

DIMMER SELECTION

| RECOMMENDED BRANDS | MODEL | DIMMING |
|--------------------|-----------|---------|
| Lutron | MACL-153M | TRIAC |

HOLDER SELECTION

| RECOMMENDED BRANDS | MODEL |
|--------------------|----------------|
| BJB | 47.319.6180.50 |

Design resources: CAD files available at LUXTECH.com

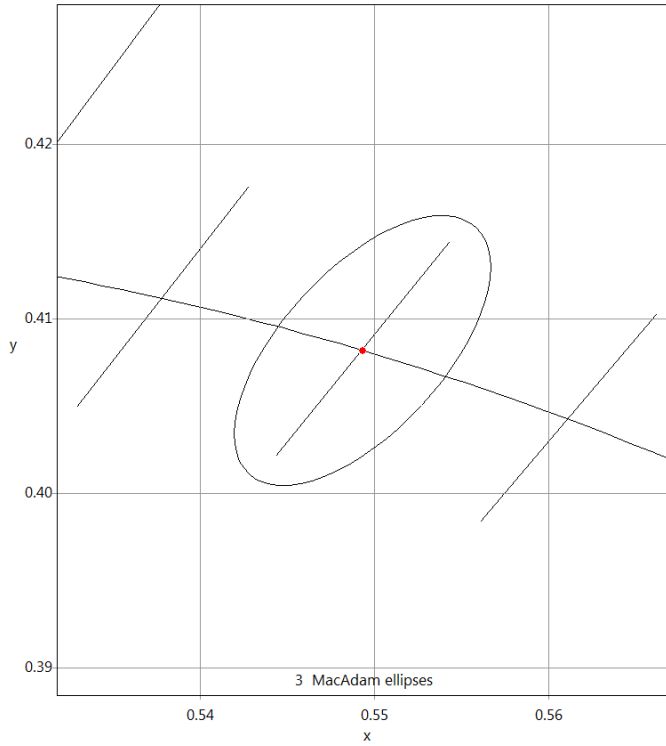
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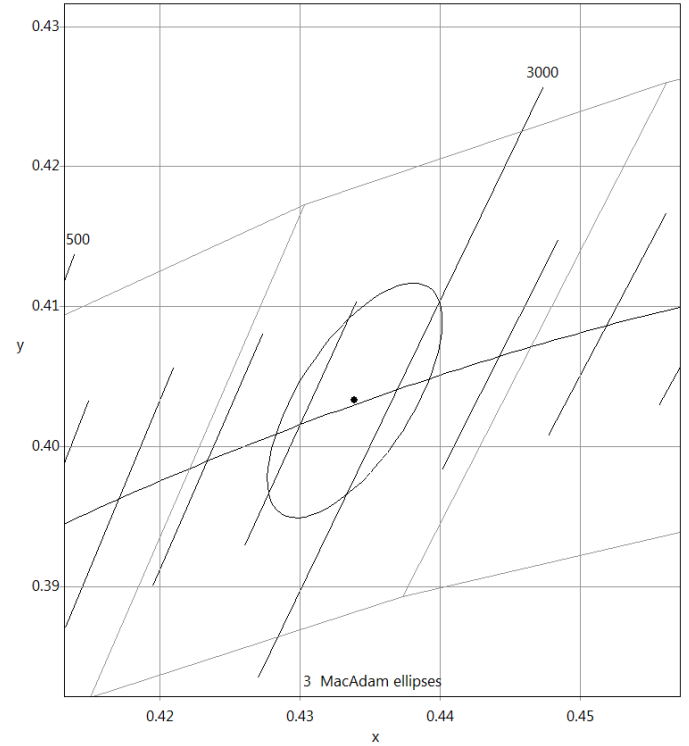
Quantity ||

COLOR BINNING INFORMATION

1800K 3-STEP



3000K 3-STEP



Project ||

Type ||

Quantity ||

ORDERING INFORMATION

PRODUCT CODES

| PRODUCT | LES DIAMETER | CCT COOL | CCT WARM | CRI |
|---------|--------------|----------|----------|-----|
| COB-WD | 10* | 30K* | 18K* | 90* |
| | 17 | | | |

*Normally stocked

EXAMPLE: COB-WD-10-30K-18K-90



Architectural-Grade LED Modules

ABOUT LUXTECH

LUXTECH is an LED component design and manufacturing company specializing in high quality LED modules and architectural grade lighting solutions. LUXTECH is a catalyst for health and well-being through human centric lighting systems. Our inventive custom engineering for natural lighting is advancing emotional wellness and productivity with the potential for global social impact. LUXTECH is located in Philadelphia's Old City neighborhood.

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