BL0404

4” x 4” Surface Mount LED Back Light

- Extremely consistent light over the entire active area of illumination.
- Integrated M6 nut channel for easy mounting.

Ordering Information

Standard Product:
Shipped Next Day

BL0404-660

Configured for use with
Ai power supply

BL0404-66024

Configured for use with user supplied 24v DC Power Supply

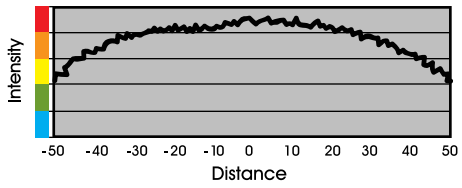
Standard Product Variation:
Red & White: Shipped Within Two Weeks
Blue & Infra-red: 4 Weeks **Green**: 6 Weeks

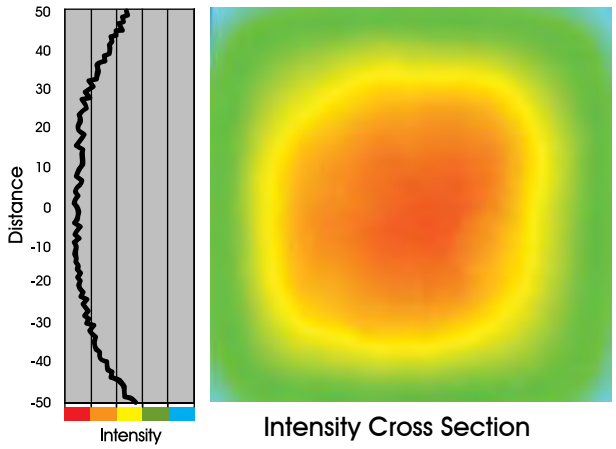
	Spectral wavelength	Optional power Compatibility	Optional Light Conditioning	Alternative Connector
BL0404 -	XXX	XX	X	XXX
	(blue) 470 † (green) 520 † (red) 660 ⊖ (infra-red) 880 ⊖ (white) WHI †	IC IS C2 C3 C5 12 24	P	M12* (male)

IC = iCS (requires 24v power supply)
IS = iSU (requires 24v power supply)
C2 = Ai Connector
C3 = Pulsar 710 Connector
C5 = Pulsar 320 Connector
* Available with IC and 24v options only
† Not available in 12v
⊖ IS option not available

Light Consistency Information

Intensity Distribution

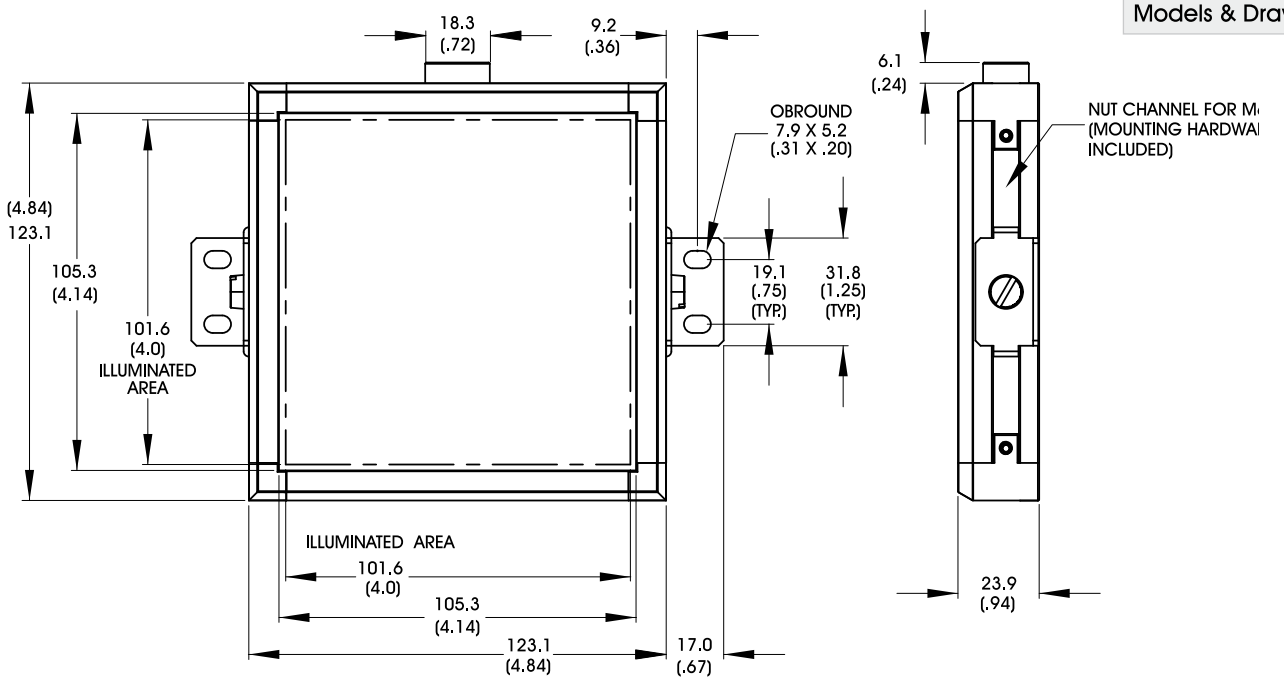




Intensity Cross Section

Dimensional Information

Click for Installation Models & Drawings



Cable Length: 1.5 Meter (59")
Find installation models at advancedillumination.com/drawandmodels.html

DIMENSIONS ARE IN MILLIMETERS (INCHE

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DIMENSIONS ARE IN MILLIMETERS (INCHES)

Standard Variation Current Specifications

	blue	green	red	infra-red	white	
@12	N/A	N/A	960	960	N/A	mA
@24	320	320	480	480	320	mA
Ai	320	320	480	480	320	mA

General Specifications

Weight:	454 g (1lb)
Finish:	Black Anodized
Operating Temperature:	0-60° C
Meets Specifications:	CE, RoHS

Standard Product Information

Red	Max. Illumination	Irradiance (mW/cm^2)
	@ Surface	1.5
	Lifetime	50,000 hrs

White	Max. Illumination	Irradiance (mW/cm^2)
	@ Surface	5.0
	Lifetime	50,000 hrs

Additional Information

CAUTION: This light requires mounting in such a way as to facilitate proper heat sinking, which will help ensure long life and stable operation. *Due to the potential of high surface temperatures, care must be exercised when installing or adjusting the product while energized.*

Various methods for effective heat transfer can be used, including:

Ensuring that the entire backside of the light is in contact with a heat sinking thermal mass

Using external fans placed in the proximity of the light to ensure air flow over the backside of the light

Operating light at reduced input voltage when applicable

For additional information on thermal mounting techniques, contact Ai.