

# BL18120 Backlight



Light Function Diagram

- 100mm x 200mm area of illumination.
- Low profile housing.
- Near saturation performance with 50 micro second pulse widths at F4, and near saturation performance with steady-state operation at F16.



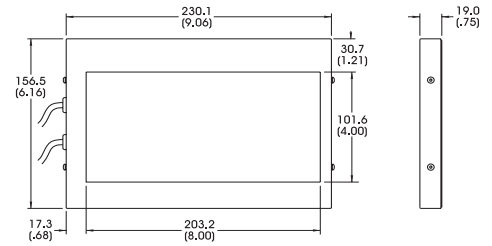
**BL18120-660**  
(shown)



Acquired Solution Image

## Plastic Tubing Inspection

The 100mm width of the BL18120 provides a large enough area of light for the vision system to measure ridges in plastic tubing. Measurements outside of specific parameters indicate misshapen or incomplete tubing.



DIMENSIONS ARE IN MILLIMETERS (INCHES)

## General Specifications

Light distribution	+/- 10%
Operating temperature	0 to 65C°
Standard product lifetime	100,000 hours
Product weight	965.2g 34.1oz

## Standard Product Maximum Illumination

	Working Distance	Watts/cm <sup>2</sup>	Lux
Constant Current	@ surface	611 μW	717
Strobed (100μs)	@ surface	12.2 mW	14,340

## Standard Variation Current Specifications

	(blue)	(green)	(yellow)	(orange)	(red)	(infra-red)	(white)	
@ 12v	N/A	N/A	480	480	720	800	N/A	mA
@ 24v	420	420	240	240	360	480	420	mA

## Part Number Designation

\* **Standard Product** ***SHIPPED NEXT DAY***

Part Number: **BL18120-660** (Configured for use with Ai Power Supply)

**Standard Product Variation** ***SHIPPED WITHIN TWO WEEKS***

Spectral wavelength	Optional power Compatibility
BL18120 - <b>XXX</b> <b>XX</b>	
(blue) <b>470</b> †	<b>12</b>
(green) <b>520</b> †	<b>24</b>
(yellow) <b>590</b>	
(orange) <b>625</b>	
(red) <b>660</b>	
(infra-red) <b>880</b>	
(White) <b>WHI</b> †	

\* **Standard product requires a dual output power supply.**

† Not available in 12v