

## Blue 25 x 25mm MBL Backlight



25 x 25mm MBL Backlight

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### Product Downloads

### General

**Model Number:**  
MBL-25x25-470

**Type of Illumination:**  
LED illumination

**Note:**  
5-Pin M12 cables sold separately (5m#23-951, 10m#23-952, 15m#23-953) Industrial power supply for mounting to DIN rails also sold #75-579

**Manufacturer:**  
Smart Vision Lights LLC

Backlight **Geometry:**

Constant or Strobe (with OverDrive™) **Illumination Mode:**

## Physical & Mechanical Properties

34.00 x 56.50 x 12.35 **Dimensions (mm):**

113.40 **Weight (g):**

25.54 x 25.54 **Active Area (mm):**

## Optical Properties

Blue **Color:**

470 **Wavelength (nm):**

## Hardware & Interface Connectivity

5-pin M12 Connector **Connector:**

24V (0.3 A) **Input Voltage (V):**

**Power Supply:**  
Power Supply Required and Sold Separately.  
USA: [#75-577](#)  
Europe: [#75-578](#)  
Japan: [#75-577](#)  
Korea: [#75-579](#)  
China: [#75-579](#)

## Environmental & Durability Factors

-10 to 40 **Operating Temperature (°C):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Enhanced Contrast for Inspection Applications
- Ultra-Slim Mini Backlights
- Available in White, Blue, Red, or NIR
- Includes Multi-Drive™ Driver for High Lux Strobing

Smart Vision Lights MBL Mini Backlights are compact illuminators that feature edge-enhancing technology, which provides maximum contrast when imaging backlit objects. These lights have a high density of LEDs, providing illuminance up to 190,000 lux in continuous mode and 550,000 lux in OverDrive™ strobe mode. With active areas ranging from 25x25mm to 100x100mm and output colors of white, blue, red, or NIR, these lights are a great solution for system integration. Smart Vision Lights MBL Mini Backlights provide collimated illumination that provides excellent edge contrast for reflective objects and curved edges. These backlights are ideal for edge detection, precision machine vision measurements, silhouette imaging, and gauging applications.