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## SWIR 1550nm Homogeneous Backlight



Efflux SWIR LED Backlights

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⊖ 1 ⊕ **SS\$3,346<sup>00</sup>**

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### General

Model Number:  
EFFI-MBL-100T-100-1550

Type of Illumination:  
LED Illuminator

Uniformity (%):  
>90%

Manufacturer:  
Efflux

Geometry:  
Backlight

**Illumination Mode:**

Continuous with AIC (Analog Intensity Control)

**Physical & Mechanical Properties****Dimensions (mm):**

136.5 x 109.5 x 80.0

**Active Area (mm):**

100 x 100

**Optical Properties****Color:**

SWIR

**Wavelength (nm):**

1,550

**Hardware & Interface Connectivity****Connector:**

M12, 4 pins

**Input Voltage (V):**

24VDC

**Power Supply:**

Power Supply Required and Sold Separately.

USA: [#15-874](#)Europe: [#15-875](#)Japan: [#73-409](#)Korea: [#73-409](#)China: [#15-874](#)**Environmental & Durability Factors****Operating Temperature (°C):**

-20 to 70

**Environmental Rating:**

IP50

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

## Product Details

- Full Range of SWIR Wavelengths Available
- High Intensity and Uniform Lighting
- Feature >80% Homogeneity at Design Wavelength

Effilux SWIR LED Backlights provide intense and uniform lighting for machine vision, sorting and silicon inspection applications. These are available in wavelengths of 1050, 1200, 1300, 1450, 1550, and 1650nm. The backlights are designed with >80% homogeneity at their design wavelengths. Effilux SWIR LED Backlights are ideal complements for applications utilizing TECHSPEC® C Series Fixed Focal Length SWIR Lenses, TECHSPEC® SilverTL™ SWIR Telecentric Lenses and LUCID Vision Labs Triton™ GigE Power over Ethernet (PoE) SWIR Cameras or Teledyne FLIR IIS Forge 1GigE SWIR Cameras.