

SWIR 1450nm Homogeneous Backlight



Effilux SWIR LED Backlights

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⊖ 1 ⊕ C\$3,717⁰⁰

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General

Model Number:
EFFI-MBL-100T-100-1450

Type of Illumination:
LED Illuminator

Uniformity (%):
>90%

Manufacturer:
Effilux

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):

1,450

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.