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SWIR 1650nm Homogeneous Backlight

Effilux SWIR LED Backlights

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General

Model Number:	EFFI-MBL-100T-100-1650
Type of Illumination:	LED Illuminator
Uniformity (%):	>90%
Manufacturer:	Effilux
Geometry:	Backlight

Illumination Mode:
Continous 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):
1,650

Hardware & Interface Connectivity

Connector:
M12, 4 pins

Input Voltage (V):
24V DC

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.

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