

## SWIR 1450nm Adjustable Ring Light



EffluxSMR LED Ring Lights

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### Product Downloads

#### General

EFFI-RING-1450-KIT-CW **Model Number:**

- **Number of LEDs:**

LED Illuminator **Type of Illumination:**

>90% **Uniformity (%):**

**Manufacturer:**

Effilux

Ring Light

**Geometry:**

Strobed or Constant

**Illumination Mode:**

## Physical & Mechanical Properties

58.0

**Inner Diameter (mm):**

151.0 W x 117.0 L x 40.0 H

**Dimensions (mm):**

400

**Weight (g):**

100 x 100

**Active Area (mm):**

## Optical Properties

SMIR

**Color:**

1,450

**Wavelength (nm):**

## Hardware & Interface Connectivity

M12, 5 pins

**Connector:**

24VDC

**Input Voltage (V):**

## Threading & Mounting

M4 (x4) and 3.5mm Thru (x4)

**Mount:**

## Environmental & Durability Factors

-10 to 50

**Operating Temperature (°C):**

IP65

**Environmental Rating:**

## Regulatory Compliance

[View](#)

**Certificate of Conformance:**

## Product Details

- Full Range of SWIR Wavelengths Available
- High Intensity and Uniform Lighting
- Adjustable Illumination Angles

Effilux SWIR LED Ring Lights provide intense and uniform lighting for machine vision, sorting and silicon inspection applications. Available in wavelengths of 1050, 1200, 1300, 1450, 1550, and 1650nm. These ring lights feature adjustable lens positions and illumination angles for added flexibility. Effilux SWIR LED Ring Lights 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.

**Note:** Included with the ring lights are one semi diffuse window and one 25° lens position kit.

[3D-Printable Mount Files](#)



Ring Light Configuration

[Download Now](#)

Designed for use with the [Articulating Arm Mounting Systems](#), these 3D-printed mounts allow easy positioning of lights in brightfield or darkfield setups. The design is based on mounting illumination to 1/4-20" breadboards or into 80/20 extrusion systems, but can be adapted based on user needs. Mounts are available for ring, bar, line, and inline spot lights.



**Application Note**

Illumination Mounts for Machine Vision Applications

[Read](#) 



**Video**

Assembly of 3D Printed Mounts for Common Illumination Geometries

[Watch](#) 