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## 880nm, Strobed, Brightfield/Darkfield LED Ring Light w/ Barrel Mount

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MRP ₹1,56,645

Price inclusive of all taxes

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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

RL5064B-880-IS	<b>Model Number:</b>
50,000	<b>LED Lifetime (hours):</b>
64.00	<b>Number of LEDs:</b>
	<b>Type of Illumination:</b>

**Note:**

This product requires a 24V power supply, [#66-855](#).  
The European version of the required power supply is [#35-200](#).

**Manufacturer:**

Advanced Illumination

**Geometry:**

Ring Light

**Illumination Mode:**

Strobed

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

100.00

**Height (mm):**

33.7

**Inner Diameter (mm):**

55.5

**Outer Diameter (mm):**

100.00

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

IR

**Wavelength (nm):**

880

**Working Distance (mm):**

6 - 64

**Electrical****Maximum Trigger Frequency (Hz):**

30.00

**Strobe Duration (µs):**

30 - 300

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

Flying Leads

**Power Supply:**

Power Supply Required and Sold Separately.

USA: [#66-855](#)Europe: [#66-855](#)Japan: [#89-513](#)Korea: [#33-773](#)China: [#66-855](#)**Threading & Mounting****Mount:**

Barrel Mount

**Mounting Threads:**

M4 x4

**Environmental & Durability Factors****Operating Temperature (°C):**

0-65

**Regulatory Compliance****RoHS 2015:**[Compliant](#)**Certificate of Conformance:**[View](#)**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

**Product Details**

For more information on Darkfield Illumination, click [here](#).

- Hybrid Diffuse Brightfield and Darkfield Illumination
- Can Be Used Independently or Simultaneously
- Fixed Intensity or Strobed Options

Advanced Illumination Brightfield/Darkfield LED Ring Lights offer a level of versatility not previously available. Two independently powered rings of LEDs provide darkfield and brightfield illumination. The strobed models' flash duration is dependent on a trigger signal or potentiometer setting. The duration of the strobe can be adjusted from 30 - 300 $\mu$ s via a knob located in the back of the unit. The trigger input signal of the Advanced Illumination Brightfield/Darkfield LED Ring Light is CMOS/TTL compatible. The maximum trigger frequency is 30 Hz.

**Note:** Required 24V power supply [#66-855. Accessories for Advanced Illumination products](#) are available and sold separately.

#### 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

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