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White, Strobed, Brightfield/Darkfield LED Ring Light w/ Barrel Mount

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Stock #83-249 **1 In Stock**

⊖ 1 ⊕ A\$2,360⁰⁰

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

Product Downloads

General

RL5064B-WHI-IS	Model Number:
50,000	LED Lifetime (hours):
64.00	Number of LEDs:
LED Illuminator	Type of Illumination:

Note:
Optional Manual Intensity Adjustment [#86-887](#) and [#89-555](#) are Available

Advanced Illumination **Manufacturer:**

Ring Light **Geometry:**

Strobed **Illumination Mode:**

Physical & Mechanical Properties

100.00 **Diameter (mm):**

33.7 **Height (mm):**

55.5 **Inner Diameter (mm):**

100.00 **Outer Diameter (mm):**

Optical Properties

White **Color:**

6 - 64 **Working Distance (mm):**

Electrical

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

30 - 300 **Strobe Duration (µs):**

Hardware & Interface Connectivity

Flying Leads **Connector:**

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

Barrel Mount **Mount:**

M4 x4 **Mounting Threads:**

Environmental & Durability Factors

0-65 **Operating Temperature (°C):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

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

[Contains SVHC\(s\)](#) **Reach 233:**

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 - 300µs 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.



Ring Light Configuration

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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 ¼-20" 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](#) 