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

See More by [Advanced Illumination](#)



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

-

1

+

₹1,42,200

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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:

Optional Manual Intensity Adjustment #86-887 and #89-555 are Available		Note:
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 Required and Sold Separately: USA: #66-855 Europe: #66-855 Japan: #89-513 Korea: #33-773 China: #66-855		Power Supply:
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:	
United States	Country of Origin:	
Edmund Optics India Private Limited	Imported By:	

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.

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 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

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