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

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Stock **#66-789** [CONTACT US](#)

-

1

+

£1,036⁰⁰

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

Product Downloads

General	
RL5064B-880-IC	Model Number:
50,000	LED Lifetime (hours):
64.00	Number of LEDs:
	Type of Illumination:

LED Illuminator	
Note: Optional Manual Intensity Adjustment #86-887 and #89-555 are Available	
Advanced Illumination	Manufacturer:
Ring Light	Geometry:
Constant	Illumination Mode:

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	

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	
Reach 233:	
Contains SVHC(s)	

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

**DOWNLOAD
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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
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Video

Assembly of 3D Printed Mounts for Common Illumination Geometries
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