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880nm w/ Barrel Mount, Brightfield/Darkfield LED Ring Light w/ Barrel Mount (Recertified 05-P)

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Stock #66-789-RCD-05P **RECERTIFIED** 1 In Stock

− 1 + €4.900⁰⁶

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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):**

Number of LEDs:

64.00

LED Illuminator

Type of Illumination:

Note:

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

Manufacturer:

Advanced Illumination

Geometry:

Ring Light

Illumination Mode:

Constant

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](#)

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](#) 