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

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Stock #66-787 [CONTACT US](#)

- 1 + £1,036.<sup>00</sup>

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

### Product Downloads

### General

RL5064B-WHHC **Model Number:**  
50,000 **LED Lifetime (hours):**  
64.00 **Number of LEDs:**  
**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:**  
White

**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

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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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