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100mm, IR 940nm, MicroBrite Brightfield Ring Light

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Stock **#18-580** 1 In Stock

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S\$1,743⁰⁰

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Product Downloads

General	
RL208M-100940IC	Model Number:
50,000	LED Lifetime (hours):
LED Illuminator	Type of Illumination:
Note: Optional Manual Intensity Adjustment #86-887 and #89-555 are Available	
Manufacturer:	

Advanced Illumination	
Ring Light	Geometry:
Constant	Illumination Mode:
Physical & Mechanical Properties	
19.09	Height (mm):
100	Inner Diameter (mm):
145.34	Outer Diameter (mm):
100.00 x 145.34 x 19.09	Dimensions (mm):
400	Weight (g):
Optical Properties	
IR	Color:
940	Wavelength (nm):
Electrical	
0.24A	Maximum Input Current:
Hardware & Interface Connectivity	
Flying Leads	Connector:
24V	Input Voltage (V):
Power Supply: Power Supply Required and Sold Separately. USA: #66-855 Europe: #66-855 Japan: #89-513 Korea: Not Available China: #66-855	
Threading & Mounting	
M4 x4	Mounting Threads:
Environmental & Durability Factors	
0 - 60	Operating Temperature (°C):
IP50	Environmental Rating:
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	Reach 233:

Product Details

- High Intensity Output up to 41,000 Lux
- 2"-10" Working Distance (Size Dependent)
- Full Range of Wavelengths Available
- Optional Manual Intensity Adjustments ([#86-887](#) and [#89-555](#)) Recommended

Advanced Illumination MicroBrite Brightfield Ring Lights offer high intensity machine vision lights in a compact form factor. These ring lights produce an intense light output up to 41,000 Lux at a working distance of 180mm, are available in a full range of wavelengths, and are offered in two standard sizes. These ring lights provide object coverage from 2" to 6" depending on working distance. Advanced Illumination MicroBrite Brightfield Ring Lights are ideal for standard, around-the-lens applications requiring high-intensity illumination sources such as high-speed inspections, factory automation, and machine vision.

Note: Requires 24V power supply [#66-855](#). Manual Intensity Adjustment [#86-887](#) and [#89-555](#) are recommended 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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