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2.15" 625nm, LED Darkfield Illuminator

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Stock **#66-791** [CONTACT US](#)

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1

+

A\$664⁰⁰

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

Product Downloads

General	
RL2115-660-24	Model Number:
50,000	LED Lifetime (hours):
15.00	Number of LEDs:
1.00	Number of Channels:

LED Illuminator	Type of Illumination:
Note: Requires a 24V power supply #66-855 . European power supply #35-200 also available.	
Advanced Illumination	Manufacturer:
Ring Light	Geometry:
Constant	Illumination Mode:
Physical & Mechanical Properties	
19.0	Height (mm):
19.0	Inner Diameter (mm):
55.0	Outer Diameter (mm):
6.4 - 12.7	Field Coverage (mm):
Optical Properties	
Red	Color:
625	Wavelength (nm):
19 - 25.4	Working Distance (mm):
Electrical	
30.00	Maximum Trigger Frequency (Hz):
Hardware & Interface Connectivity	
Flying Leads	Connector:
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	
Standard	Mount:
M3 x2	Mounting Threads:
Environmental & Durability Factors	
0 to +65	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 233:

Product Details

- Ideal for Visually Enhancing Surface Defects
- Useful for Front or Back Illumination
- 5" Versions Have Variable Intensity

Advanced Illumination Darkfield LED Illuminators are ideal for visually enhancing surface defects. LED intensity can be varied through the in line potentiometer. The 5" darkfield illuminator includes a mounting bracket for easy system integration.

Note: Required 24V power supply [#66-855](#). [Accessories for Advanced Illumination products](#) are available and sold separately.

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. Trigger input signal is CMOS/TTL compatible. The maximum trigger frequency is 30Hz.



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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