

2.15" 625nm, Strobed, LED Darkfield Illuminator

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Stock **#83-253** [CONTACT US](#)

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1

+

A\$800⁰⁰

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

Product Downloads

General	
RL2115-66013	Model Number:
50,000	LED Lifetime (hours):
15.00	Number of LEDs:
1.00	Number of Channels:

LED Illuminator	Type of Illumination:
Optional Manual Intensity Adjustment #86-887 and #89-555 are Available	Note:
Advanced Illumination	Manufacturer:
Ring Light	Geometry:
Strobed	Illumination Mode:
Physical & Mechanical Properties	
55.0	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):
30 - 300	Strobe Duration (μs):
Hardware & Interface Connectivity	
Flying Leads	Connector:
Power Supply Required and Sold Separately: USA: #66-855 Europe: #66-855 Japan: #89-513 Korea: #33-773 China: #66-855	Power Supply:
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:
Contains SVHC(s)	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 1/4-20" 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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