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50mm Dia IR Ring Light 850nm

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CCS High-Angle LED Ring Lights

Stock **#21-839** **1 In Stock**

⊖ 1 ⊕ €1.055⁰⁰

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Volume Pricing	
Qty 1+	€1.055,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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

Product Downloads

General

LDR2-50IR2-850 **Model Number:**

LED Illuminator **Type of Illumination:**

CCS **Manufacturer:**

High-Angle Ring Light

Geometry:

Constant

Illumination Mode:

Physical & Mechanical Properties

OD: 50, ID: 28, Height: 16

Dimensions (mm):

50

Weight (g):

Optical Properties

IR

Color:

850

Wavelength (nm):

Electrical

3.8

Power Consumption (W):

Hardware & Interface Connectivity

24

Input Voltage (V):

Power Supply:

Power Supply Required and Sold Separately.

USA: [#73-491](#)

Europe: [#73-491](#)

Japan: [#89-513](#)

Korea: [#33-773](#)

China: [#73-491](#)

Regulatory Compliance

[Exempt](#)

RoHS 2015:

[Contains SVHC\(s\)](#)

Reach 224:

[View](#)

Certificate of Conformance:

Product Details

- High-Angle, Direct Lighting for Uniform Intensity
- Designed for Constant Output Power for Prolonged Use
- Ideal for Brightfield Illumination

CCS High-Angle LED Ring Lights provide illumination at a high angle of incidence for brightfield imaging applications. High density LED mounting and a flexible circuit board ensures uniform illumination intensity across all sizes of ring lights. These high-angle LED ring lights are designed to maintain constant output power over prolonged periods. CCS High-Angle LED Ring Lights alleviate the influence of slight differences in position or inclination of a sample for stable imaging and are ideal for industrial and manufacturing applications.

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 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
[Read](#)

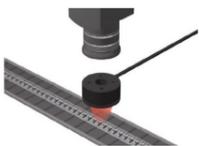


Video

Assembly of 3D Printed Mounts for Common Illumination Geometries
[Watch](#)

Technical Information

Imaging Example: Imaging Electrodes of Electronic Parts



Description	Visual inspection
Workpiece	Electronic parts
Conventional lighting	LED Bar Light
New lighting	LDR2-32RD2
Result	Improved uniformity

Workpiece image



Electronic parts

LED Bar Light



It's difficult to make an image of the electrode part using a Bar Light.

LDR2-32RD2



A Ring Light can illuminate the electrode part evenly and make an image.

➤ Imaging Example: Imaging Text on Intake Valves



Description	Character recognition
Workpiece	Intake valves (automobile parts)
Conventional lighting	LED Ring Light
New lighting	LDR2-50RD2
Result	Emphasized characters

