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# 50mm Dia IR Ring Light 940nm

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CCS High-Angle LED Ring Lights

Stock #21-840 **1 In Stock**

MRP ₹1,12,041

**1** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1+	₹1,12,041 each
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**Note:** This item requires accessories for use | [Learn More](#)

## Product Downloads

### General

LDR2-50IR2-940 **Model Number:**

LED Illuminator **Type of Illumination:**

CCS **Manufacturer:**

**Geometry:**

Constant **Illumination Mode:**

## Physical & Mechanical Properties

OD: 50, ID: 28, Height: 16 **Dimensions (mm):**

50 **Weight (g):**

## Optical Properties

IR **Color:**

940 **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:**

United States **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

## 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](#)



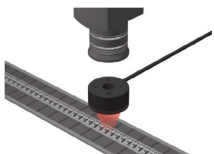
[Video](#)

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



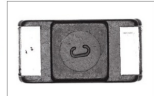
Electronic parts

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

