

[See all 19 Products in Family](#)

# 50mm Dia IR Ring Light 940nm

See More by [CCS](#)



CCS High-Angle LED Ring Lights

Stock **#21-840** **2 In Stock**

- 1 + £844.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	£844.00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

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

## Product Downloads

### General

LDR2-50IR2-940 **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:**

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:**

## 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



➤ 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

