

# 70mm Dia Ring Light White

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CCS High-Angle LED Ring Lights

Stock **#21-781** **1 In Stock**

⊖ 1 ⊕ C\$1,708<sup>00</sup>

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Product Downloads

**General**

LDR2-70SW2 **Model Number:**

LED Illuminator **Type of Illumination:**

CCS **Manufacturer:**

High-Angle Ring Light **Geometry:**

**Illumination Mode:**

Constant

## Physical & Mechanical Properties

OD: 70, ID: 35, Height: 22  
**Dimensions (mm):**

120  
**Weight (g):**

## Optical Properties

White  
**Color:**

## Electrical

7.6  
**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](#)

## Environmental & Durability Factors

5500  
**Color Temperature (K):**

## 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](#)



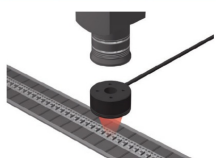
[Video](#)

[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



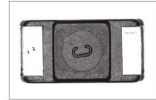
Electronic parts

LED Bar Light



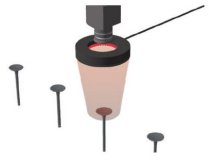
It's difficult to make an image of the electrode part using a Bar Light.

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

**Workpiece image**




Intake valves

**LED Ring Light**



It's difficult to clearly recognize the text due to the inner indentation.

**LDR2-50RD2**



Allows for image that makes the character edges stand out.

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