

# 70mm Dia Ring Light White

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CCS High-Angle LED Ring Lights

Stock **#21-781** **2 In Stock**

-

1

+

₹93,090

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | ₹93,090 each                  |
| Need More?     | <a href="#">Request Quote</a> |

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): |
|                                            | Weight (g):      |
| 120                                        |                  |
| 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: <a href="#">#73-491</a>               |                  |
| Europe: <a href="#">#73-491</a>            |                  |
| Japan: <a href="#">#89-513</a>             |                  |
| Korea: <a href="#">#33-773</a>             |                  |
| China: <a href="#">#73-491</a>             |                  |
| Environmental & Durability Factors         |                  |
| 5500                                       |                  |
| Color Temperature (K):                     |                  |
| Regulatory Compliance                      |                  |
| <a href="#">Exempt</a>                     |                  |
| RoHS 2015:                                 |                  |
| <a href="#">Contains SVHC(s)</a>           |                  |
| Reach 224:                                 |                  |
| Certificate of Conformance:                |                  |
| <a href="#">View</a>                       |                  |
| Country of Origin:                         |                  |
| United States                              |                  |
| Imported By:                               |                  |
| Edmund Optics India Private Limited        |                  |

## 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 densityLED 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](#)

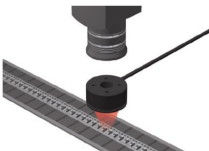


Video

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.