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90mm Dia Ring Light White

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CCS High-Angle LED Ring Lights

Stock **#21-784** [CONTACT US](#)

-

1

+

C\$2,793^{.00}

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Volume Pricing	
Qty 1+	C\$2,793.00 each
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Product Downloads

General	
LDR2-90SW2	Model Number:
LED Illuminator	Type of Illumination:
CCS	Manufacturer:
High-Angle Ring Light	Geometry:
Illumination Mode:	

Constant	
Physical & Mechanical Properties	
OD: 90, ID: 50, Height: 20	Dimensions (mm):
	Weight (g):
170	
Optical Properties	
White	
Color:	
Electrical	
14	
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	
RoHS 2015:	
Exempt	
Reach 224:	
Contains SVHC(s)	
Certificate of Conformance:	
View	

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 ¼-20" 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

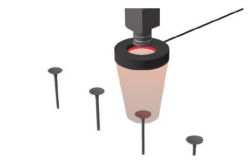
LED Bar Light

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.