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170mm Low Angle Ring Light White

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CCS Low-Angle LED Ring Lights

Stock **#21-793** **1 In Stock**

- 1 + **S$5,285**.00

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Qty 1+	**S$5,285.00** each
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Product Downloads

General

Model Number:	LDR2-170SW2-LA
Type of Illumination:	LED Illuminator
Manufacturer:	CCS
Geometry:	Low-Angle Ring Light
Illumination Mode:	

Constant

Physical & Mechanical Properties

Dimensions (mm):
OD: 170 , ID: 134 , Height 22

Weight (g):
350

Optical Properties

Color:
White

Electrical

Power Consumption (W):
22

Hardware & Interface Connectivity

Input Voltage (V):
24

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

Color Temperature (K):
5500

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

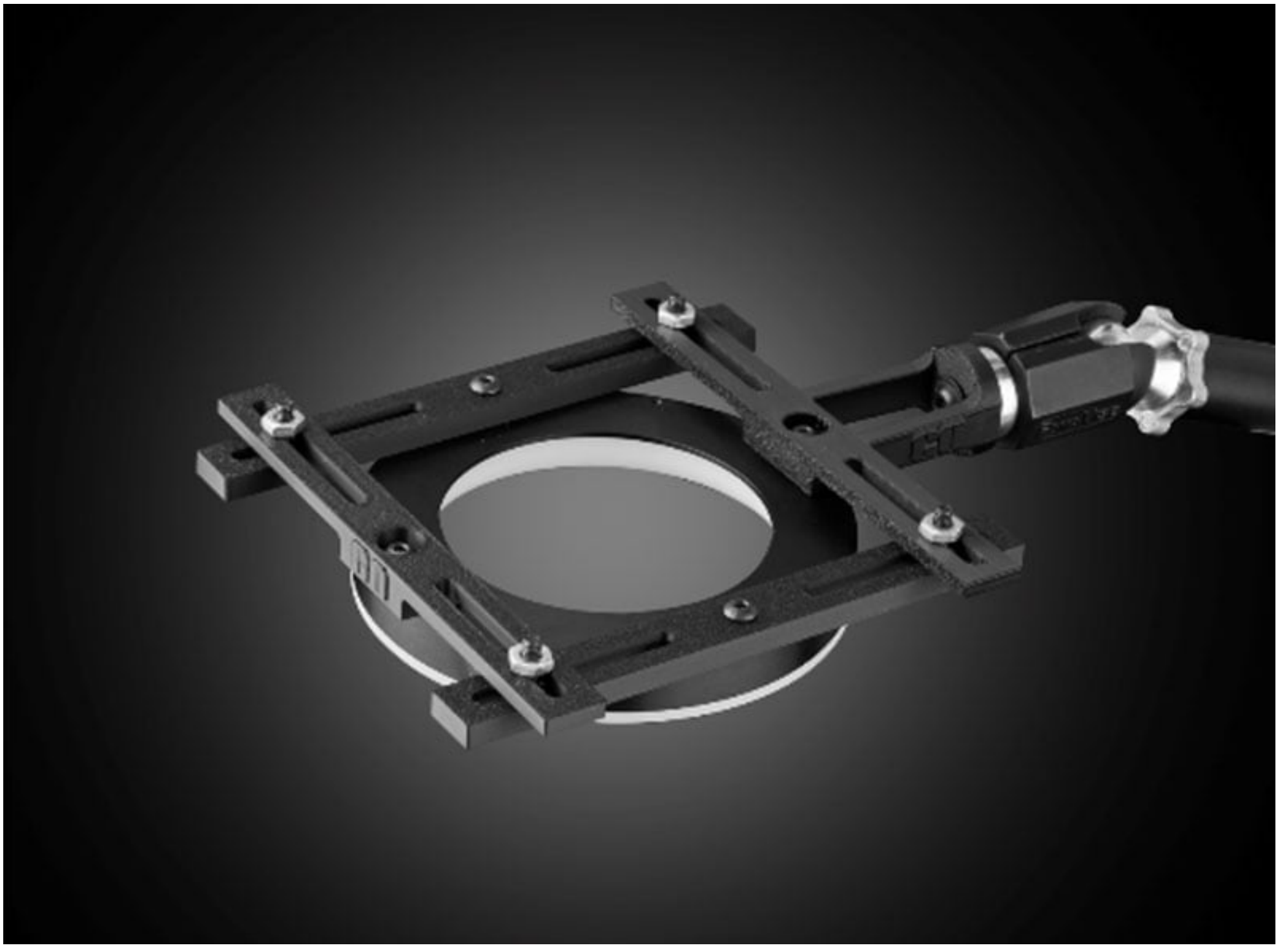
Certificate of Conformance:
View

Product Details

- Low 30° LED Mounting Angle
- Designed for Constant Output Power for Prolonged Use
- Ideal for Darkfield Illumination

CCS Low-Angle LED Ring Lights feature a low 30° LED mounting angle for darkfield illumination applications. By mounting a flexible circuit board at a steep slope, these ring lights are able to effectively concentrate light at small working distances. These low-angle LED ring lights are designed to maintain constant output power over prolonged periods. CCS Low-Angle LED Ring Lights enable images that clearly emphasize characteristic features of an object and are ideal for inspection of engraving, damage, or stains on metal surfaces, edge detection, inspection for contaminants, and other manufacturing and industrial applications.

3D-Printable Mount Files



Ring Light Configuration

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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

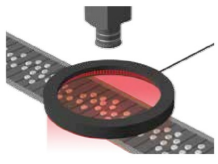
Illumination Mounts for Machine Vision Applications
Read

Video

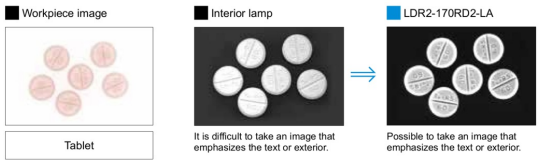
Assembly of 3D Printed Mounts for Common Illumination Geometries
Watch

Technical Information

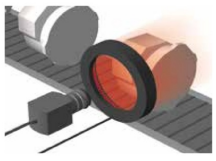
Imaging example : Text on tablets, exterior imaging



Description	Text, visual inspection
Workpiece	Tablet
Conventional lighting	Interior lamp
New lighting	LDR2-170RD2-LA
Result	Emphasizes text and edge of the exterior



Imaging example : Imaging of engraved text on a metal block (stain finishing)



Description	Character recognition
Workpiece	Metal block
Conventional lighting	LED Dome Light
New lighting	LDR2-132RD2-LA
Result	Extracts only the engraved text

■ Workpiece image

Metal block (stain finishing)

■ LED Dome Light

The whole thing is illuminated, making it difficult to emphasize only the characters.

■ LDR2-132RD2-LA

Reduces effects from the stain finishing, making it possible to emphasize the characters.