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CCS Low-Angle LED Ring Lights

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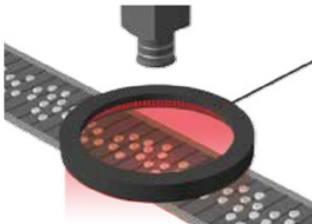
- Low 30° LED Mounting Angle
- Designed for Constant Output Power for Prolonged Use
- Ideal for Darkfield Illumination

Common Specifications

General			
Type of Illumination:	LED Illuminator	Manufacturer:	CCS
Geometry:	Low-Angle Ring Light	Illumination Mode:	Constant
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

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

■ Workpiece image



Tablet

■ Interior lamp



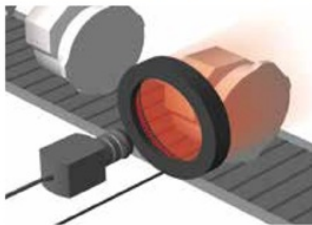
It is difficult to take an image that emphasizes the text or exterior.

■ LDR2-170RD2-LA



Possible to take an image that emphasizes the text or 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



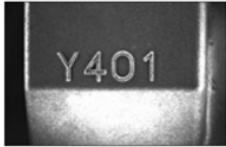
Metal block (stain finishing)

■ 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.

Products

Color	Wavelength (nm)	Illumination Mode	Power Consumption (W)	Dimensions (mm)	Stock Number	Price	Buy
Red	630.00	Constant	4.6	OD: 74 , ID: 48 , Height 19	#21-786	S\$1,463.00	3 In Stock
White	-	Constant	5.7	OD: 74 , ID: 48 , Height 19	#21-787	S\$2,184.00	4 In Stock
Blue	470.00	Constant	5.7	OD: 74 , ID: 48 , Height 19	#21-788	S\$2,184.00	1 In Stock
Red	630.00	Constant	13	OD: 132 , ID: 96 , Height 22	#21-789	S\$3,136.00	2 In Stock
White	-	Constant	16	OD: 132 , ID: 96 , Height 22	#21-790	S\$4,389.00	2 In Stock
Blue	470.00	Constant	16	OD: 132 , ID: 96 , Height 22	#21-791	S\$4,389.00	2 In Stock
IR	850.00	Constant	16	OD: 132 , ID: 96 , Height 22	#21-841	S\$4,480.00	1 In Stock

[#21-841-RCD-05P Recertified](#)



Recertified

Stock No.: 21-841-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

*Typically 1-2 Recertified Products are
in stock at a time. Please contact our
sales team if you would like exact
availability of an item.*

Recertified products are those
identified with the recertified logo
indicating they were returned to
Edmund Optics® and cannot be sold
as new for the following reasons:

- Open Box – Missing original packaging
- Cosmetic Blemishes – Scratches, rub marks or other minor cosmetic imperfections
- Service/Repair – Product has been serviced to the factory original specification
- Factory Returns – Product has been returned in its original condition

IR	850.00	Constant	16	OD: 132 , ID: 96 , Height 22			
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Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard [return policy](#) applies.

View all our [recertified products](#) in the Web Specials section of our website.

Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
04	Missing Manual	N	Minor Defect/Scratches
03	Missing Manual and Small Accessory	N	Major Defect/Scratches
02	Missing Manual and Large Accessory		



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