

52 x 17.2mm LED IR Bar Light 850nm

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4-Bar Configuration and Single Bar Configuration Available & Sold Separately

Stock **#21-843** 1 In Stock

-

1

+

S\$707^{.00}

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

SPECIFICATIONS

General

LDL-42X15IR2-850

Model Number:

Type of Illumination:

LED Illuminator	
CCS	Manufacturer:
	Geometry:
Bar Light	
Constant	Illumination Mode:
Physical & Mechanical Properties	
W52 mm x D 17.2 mm x H 20 mm	Dimensions (mm):
	Weight (g):
40	
42 x 15.2	Active Area (mm):
Optical Properties	
IR	Color:
	Wavelength (nm):
850	
Electrical	
2.3	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	
Regulatory Compliance	
Exempt	RoHS 2015:
	Reach 224:
Contains SVHC(s)	
View	Certificate of Conformance:

PRODUCT DETAILS

- 850 or 940nm Wavelength Options
- Compact Lightweight Housing
- Single and 4-Bar Configurations Available

CCS Infrared (IR) Bar Lights provide uniform infrared illumination along a localized area. Designed with a compact lightweight housing, these bar lights can be easily integrated into applications with a limited working area. CCS Infrared (IR) Bar Lights are ideal for a variety of testing and inspection applications in industrial and manufacturing environments such as foreign material detection, color reduction in monochromatic images, and character isolation for optical character recognition (OCR). These bar lights are available as a single bar light or as a 4-bar square configuration with both options featuring adjustable output angles. Compared to visible light, infrared light provides a lower scattering rate and a higher transmittance rate, allowing for fewer surface reflections and deeper penetration into materials for imaging.

TECHNICAL INFORMATION

Imaging the foreign materials in disinfectant product

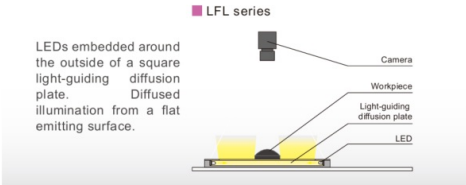


Workpiece



Disinfectant product

LEDs embedded around the outside of a square light-guiding diffusion plate. Diffused illumination from a flat emitting surface.



Camera

Workpiece

Light-guiding diffusion plate

LED

Visible light Flat Light



It is difficult to check the inside with visible light imaging.

Infrared LFL-100IR940



Imaging with infrared light penetrates the liquid and captures the foreign materials.

* This workpiece was processed by CCS for sample imaging.

