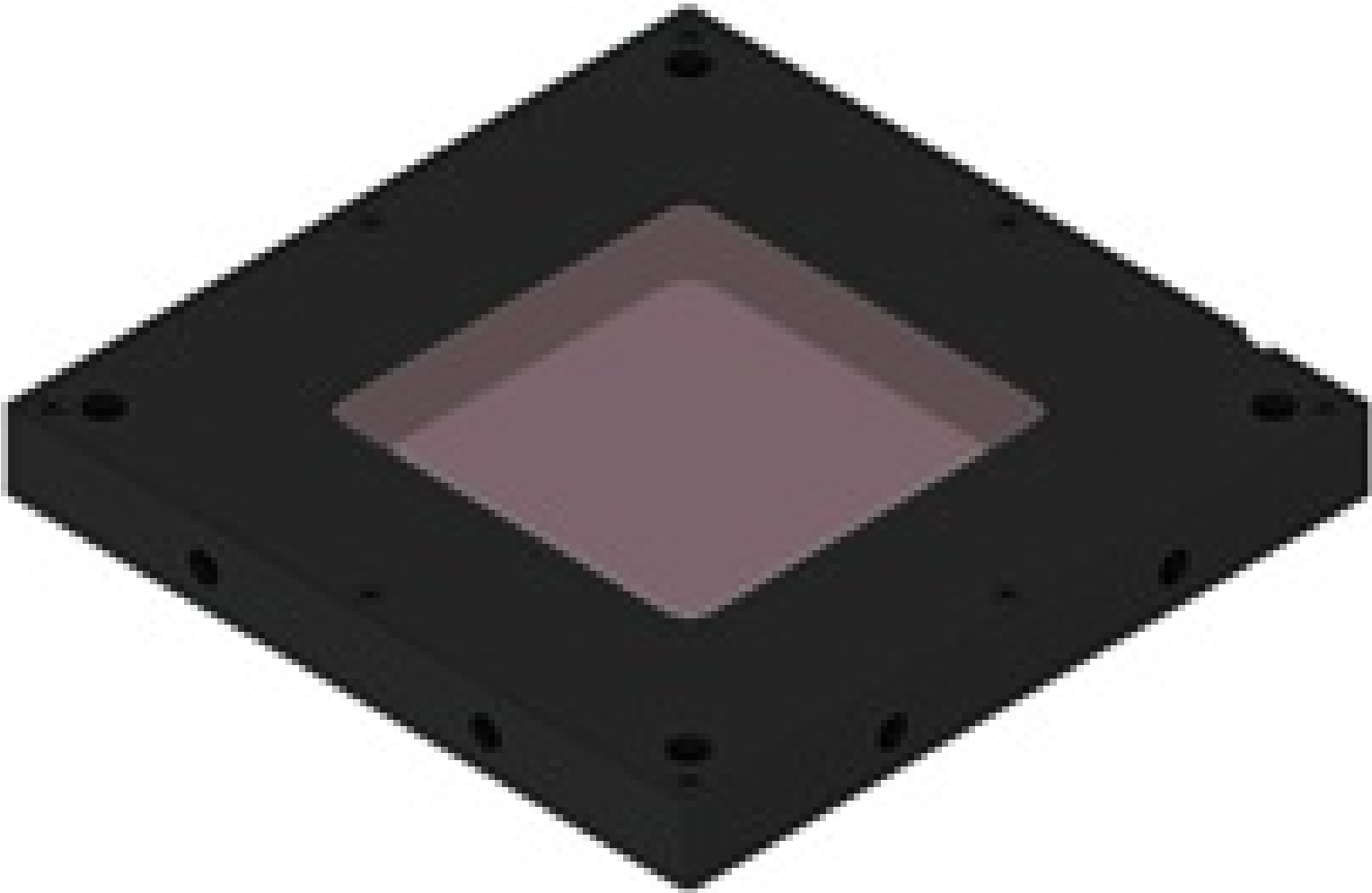


# Flat Dome Light LFXV-50IR860

See More by [CCS](#)



Stock **#19-964** 1 In Stock

-

1

+

C\$2,849<sup>00</sup>

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Product Downloads

| General         |                       |
|-----------------|-----------------------|
| LFXV-50IR860    | Model Number:         |
| LED Illuminator | Type of Illumination: |
| CCS             | Manufacturer:         |
| Flat Dome Light | Geometry:             |
| Constant        | Illumination Mode:    |

| Physical & Mechanical Properties                                                                                                                                                                                                                                                  |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 93 x93 x10                                                                                                                                                                                                                                                                        | Dimensions (mm):            |
| 190                                                                                                                                                                                                                                                                               | Weight (g):                 |
| 50 x50                                                                                                                                                                                                                                                                            | Active Area (mm):           |
| Optical Properties                                                                                                                                                                                                                                                                |                             |
| IR                                                                                                                                                                                                                                                                                | Color:                      |
| 855                                                                                                                                                                                                                                                                               | Wavelength (nm):            |
| Electrical                                                                                                                                                                                                                                                                        |                             |
| 5.7                                                                                                                                                                                                                                                                               | Power Consumption (W):      |
| Hardware & Interface Connectivity                                                                                                                                                                                                                                                 |                             |
| 24                                                                                                                                                                                                                                                                                | Input Voltage (V):          |
| <div>Power Supply</div> <div>Required and Sold Separately:</div> <div>USA: <a href="#">#73-491</a></div> <div>Europe: <a href="#">#73-491</a></div> <div>Japan: <a href="#">#89-513</a></div> <div>Korea: <a href="#">#33-773</a></div> <div>China: <a href="#">#73-491</a></div> |                             |
| Regulatory Compliance                                                                                                                                                                                                                                                             |                             |
| <a href="#">View</a>                                                                                                                                                                                                                                                              | Certificate of Conformance: |

## Product Details

- Thin, Compact, and Lightweight Housing
- Available in Multiple LED Colors
- Wide Range of Sizes Including Square and Rectangular Shapes

CCS Flat Dome Lights are ideal for achieving illumination similar to Coaxial or Dome Lights in a lighter, more compact unit. While standard dome lights are good for creating a diffuse lighting environment that minimizes specular reflection, their mechanical size and imaging aperture through a small hole on top limit their use in compact applications. These flat dome lights provide the same diffuse illumination environments as a standard dome light but in a 10mm thick, flat housing with a large imaging area, greatly increasing the options for working distance, depth of focus, and field of view. CCS Flat Dome Lights can also be used at long working distances to recreate the illumination environment of a coaxial light, which is used to reduce shadowing and has minimal glare. This flexibility makes these flat dome lights suitable for a wide range of industrial and imaging applications, particularly when imaging textured, shiny, or uneven surfaces.

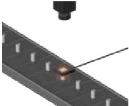
## Technical Information

Imaging Examples

Introducing various examples using unique characteristics of the Flat Dome Lights

Electronic Components Industry

Imaging Characters on a Textured Metal Surface



Workpiece



Conventional product  
Ring Light (Red)



New product  
LFX3-25RD (Red)

The surface texture makes it difficult to read the characters clearly.

»

Effects from the surface texture are suppressed so that the characters stand out clearly.

Electronic Components Industry

Imaging Characters on Button Batteries



Workpiece



Conventional product  
Dome Light (Red)



New product  
LFX3-100RD (Red)

The textured surface makes it impossible to read the printed characters.

»

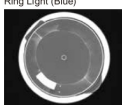
Effects from the textured surface are suppressed so that the characters stand out clearly.

Packaging Industry

Imaging Shrink Film of Containers



Workpiece



Conventional product  
Ring Light (Blue)



New product  
LFX3-100BL (Blue)

The shrink film is poorly imaged.

»

The shrink film is clearly imaged.