

Flat Dome Light LFXV-50SW

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+

A\$3,256⁰⁰

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

Physical & Mechanical Properties	
93 x 93 x 10	Dimensions (mm):
190	Weight (g):
50 x 50	Active Area (mm):
Optical Properties	
White	Color:
Electrical	
9.9	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	
5,500	Color Temperature (K):
Regulatory Compliance	
View	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

Capacitor

Conventional product

Ring Light (Red)



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

New product

LFX3-25RD (Red)



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

Electronic Components Industry

Imaging Characters on Button Batteries



Workpiece

Button battery in a metal package

Conventional product

Dome Light (Red)



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

New product

LFX3-100RD (Red)



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

Packaging Industry

Imaging Shrink Film of Containers

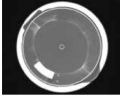


Workpiece

Foxtail (plastic container)

Conventional product

Ring Light (Blue)



The shrink film is poorly imaged.

New product

LFX3-100BL (Blue)



The shrink film is clearly imaged.

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