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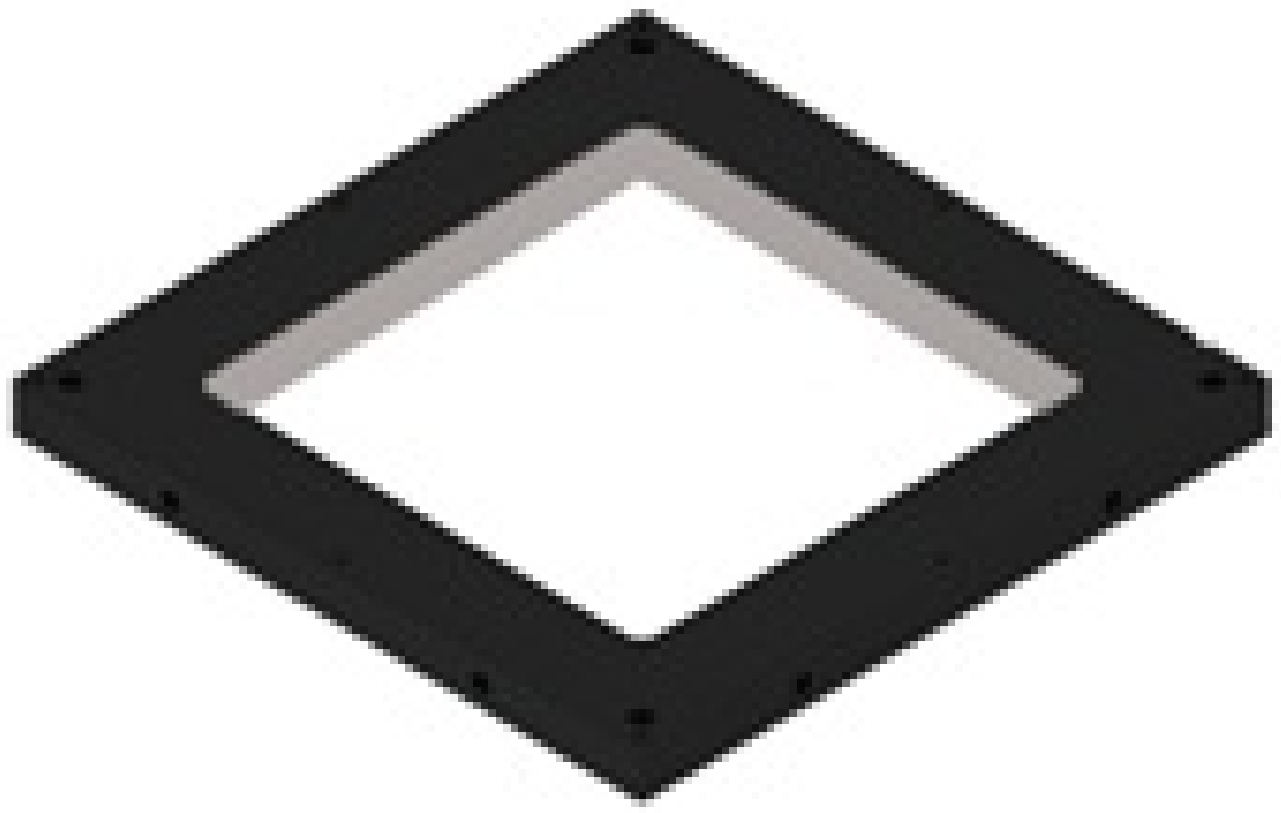
Flat Dome Light LFXV-100SW

See More by CCS



Stock **#19-965** **2 In Stock**

- 1 +

€2.795.00

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Volume Pricing	
Qty 1+	**€2.795,00** each
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Product Downloads

General

Model Number:	LFXV-100SW
Type of Illumination:	LED Illuminator
Manufacturer:	CCS
Geometry:	Flat Dome Light

Illumination Mode:
Constant

Physical & Mechanical Properties

Dimensions (mm):
143 x 143 x 10

Weight (g):
400

Active Area (mm):
100 x 100

Optical Properties

Color:
White

Electrical

Power Consumption (W):
20

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):
5,500

Regulatory Compliance

Certificate of Conformance:
View

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.

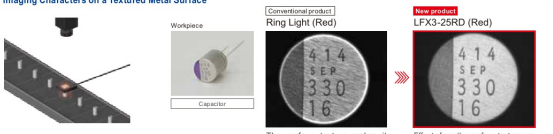
Technical Information

Imaging Examples

Introducing various examples using unique characteristics of the Flat Dome Lights

Electronic Components Industry

Imaging Characters on a Textured Metal Surface

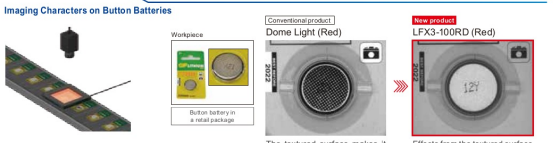


The surface texture makes it difficult to read the characters clearly.

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

Electronic Components Industry

Imaging Characters on Button Batteries

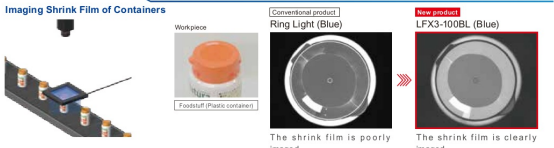


The textured surface makes it impossible to read the printed characters.

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

Packaging Industry

Imaging Shrink Film of Containers



The shrink film is poorly imaged.

The shrink film is clearly imaged.