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4" x 4" 625nm Collimated Backlight

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Advanced Illumination Side-Fired Collimated LED Backlight

Stock **#73-835** NEW **1 In Stock**

- 1 + €900.00

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General

Model Number:
BX2-100100625ICC

LED Lifetime (hours):
50,000

Type of Illumination:
LED Illuminator

Note:
Optional Manual Intensity Adjustment **#86-887** and **#89-555** are Available

Manufacturer:
Advanced Illumination

Geometry:
Collimated Backlight

Illumination Mode:
Constant

Physical & Mechanical Properties

Dimensions (mm):
157.5 L x 157.5 W x 19.1 T

Active Area (inches):
4 x 4

Optical Properties

Color:
Red

Wavelength (nm):
625

Hardware & Interface Connectivity

Power Supply:
Power Supply Required and Sold Separately:
USA: **#66-855**
Europe: **#66-855**
Japan: **#89-513**
Korea: **#33-773**
China: **#66-855**

Environmental & Durability Factors

Operating Temperature (°C):
0 - 35

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Reach 247:
Contains SVHC(s)

Product Details

- Collimated Light Source for Precision Silhouetting Applications
- High Intensity and Low Heat Output
- Low Divergence Angles Compared to Non-Collimated Backlights

Advanced Illumination Edge-lit Collimated LED Backlights provide highly uniform, collimated illumination with low heat output. The low divergence angle of the light rays make them ideal for use with **telecentric imaging lenses**. While the light rays exiting standard backlights have wide and diffuse angles, the light rays exiting these backlights are collimated at lower divergence angles for improved edge contrast in silhouetting applications such as web inspection and defect detection. While **Telecentric Illuminators** with highly collimated light rays are ideal high precision measurement and gauging applications, they can be large and cost restrictive. Collimated Backlights can be a great option for space-limited measurement applications.

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