

[See all 25 Products in Family](#)

4" x 4" 850nm Collimated Backlight

See More by [Advanced Illumination](#)



Advanced Illumination Side-Fired Collimated LED Backlight

Stock **#73-853** NEW **1 In Stock**

-

1

+

₹78,300

ADD TO CART

Volume Pricing	
Qty 1+	₹78,300 each
Need More?	Request Quote

Product Downloads

General	
Model Number:	
BX2-100100850ICC	
LED Lifetime (hours):	
50,000	
Type of Illumination:	
LED Illuminator	
Note:	
Optional Manual Intensity Adjustment #86-887 and #89-555 are Available	

Advanced Illumination	Manufacturer:
Collimated Backlight	Geometry:
Constant	Illumination Mode:
Physical & Mechanical Properties	
157.5 L x 157.5 W x 19.1 T	Dimensions (mm):
4 x 4	Active Area (inches):
Optical Properties	
NIR	Color:
850	Wavelength (nm):
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	
0 - 35	Operating Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.