

[See all 25 Products in Family](#)

# 8" x 8" 530nm Collimated Backlight

See More by [Advanced Illumination](#)



Advanced Illumination Side-Fired Collimated LED Backlight

Stock **#73-887** NEW CONTACT US

-
1
+
MRP ₹1,73,637

i Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1+	₹1,73,637 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

BX2-200200530I4C	<b>Model Number:</b>
50,000	<b>LED Lifetime (hours):</b>
LED Illuminator	<b>Type of Illumination:</b>
<p style="margin: 0;"><b>Note:</b> Optional Manual Intensity Adjustment <a href="#">#86-887</a> and <a href="#">#89-555</a> are Available</p>	

Advanced Illumination **Manufacturer:**

Collimated Backlight **Geometry:**

Constant **Illumination Mode:**

## Physical & Mechanical Properties

259.1 L x 259.1 W x 19.1 T **Dimensions (mm):**

8 x 8 **Active Area (inches):**

## Optical Properties

Green **Color:**

530 **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:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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.