

[See all 12 Products in Family](#)

## 12.7mm 755nm, High Energy Polarizing Cube Beamsplitter



Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#71-027** **8 In Stock**

⊖ 1 ⊕ ₹72,000

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹72,000 each
Qty 11-25	₹58,500 each
Qty 26-99	₹53,100 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

#### General

Linear Polarizer **Type:**

#### Physical & Mechanical Properties

90 **Clear Aperture (%):**

Cube **Construction:**

12.7 x 12.7 x 12.7 +0.0/-0.3 **Dimensions (mm):**

## Optical Properties

**Beam Deviation (arcmin):**  
<3

**Design Wavelength DWL (nm):**  
755

**Extinction Ratio:**  
1000:1

**Reflection (%):**  
 $R_s > 99.5\% @ 755\text{nm}$

**Substrate:**   
[Fused Silica](#) (Coming 7980)

**Surface Flatness (P-V):**  
 $\lambda/6$

**Surface Quality:**  
40-20

**Transmission (%):**  
 $T_p > 97\% @ 755\text{nm}$

**Wavelength Range (nm):**  
735 - 775

**Damage Threshold, By Design:**   
Typical:  $20 \text{ J/cm}^2 @ 1064\text{nm}$  10ns, 20Hz

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 247:**  
[Compliant](#)

**Country of Origin:**  
Lithuania

**Imported By:**  
Edmund Optics India Private Limited

## Product Details

- Optically Contacted Design Increases Damage Threshold and Eliminates Cement Fluorescence
- Greater than 96% Transmission of P-Polarized Light
- High Extinction Ratio of Greater than 1000:1

Laser Line High Energy Polarizing Cube Beamsplitters are an easy-to-mount, high contrast alternative to [Brewster windows](#). The beamsplitters feature greater than 96% transmission of p-polarized light, along with an  $\lambda/6$  surface flatness for minimal wavefront distortion. To increase the laser damage threshold and eliminate fluorescence, these polarizers are constructed by optically contacting, rather than cementing, UV Fused Silica Right Angle Prisms. Laser Line High Energy Polarizing Cube Beamsplitters are offered in a 12.7 x 12.7 x 12.7mm or 25.4 x 25.4 x 25.4mm size. The beamsplitters are available for use with a variety of common Nd:YAG laser wavelengths.

