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## 12.7mm 405nm, High Energy Polarizing Cube Beamsplitter



Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#71-024** [CONTACT US](#)

MRP ₹88,279

**Price inclusive of all taxes**

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Volume Pricing	
Qty 1-10	₹88,279 each
Qty 11-25	₹71,632 each
Qty 26-99	₹65,075 each
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### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

90 **Clear Aperture (%):**

**Construction:**

Cube

**Dimensions (mm):**

12.7 x 12.7 x 12.7 +0.0/-0.3

**Optical Properties**

**Beam Deviation (arcmin):**

<3

**Design Wavelength DWL (nm):**

405

**Extinction Ratio:**

1000:1

**Reflection (%):**

$R_s > 99.5\% @ 405\text{nm}$

**Substrate:**

**Fused Silica** (Corning 7980)

**Surface Flatness (P-V):**

$\lambda/6$

**Surface Quality:**

40-20

**Transmission (%):**

$T_p > 97\% @ 405\text{nm}$

**Wavelength Range (nm):**

395 - 415

**Damage Threshold, By Design:**

Typical: 20 J/cm<sup>2</sup> @ 1064nm 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  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

**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.

