

## 25.4mm Wire Grid Polarizing Cube



Stock **#89-604** **20+ In Stock**

- 1 + MRP ₹53,472

**i** Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹53,472 each
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### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

>90 **Clear Aperture (%):**

Wire Grid **Construction:**

**Dimensions (mm):**

25.4 x 25.4 x 25.4 ±0.3

## Optical Properties

**Beam Deviation (arcmin):**

<5

**Coating Specification:**

$R_{avg} < 0.5\%$  @ 400 - 700nm

**Efficiency ( $T_p \cdot R_s$ ):**

>62% @ 450nm  
>65% @ 550nm & 650nm

**Extinction Ratio:**

1000:1 @ 450nm  
2000:1 @ 550nm  
3000:1 @ 650nm

**Substrate:**

N-BK7

**Surface Quality:**

40-20

**Transmission (%):**

$T_p > 72\%$  @ 450nm  
 $T_p > 75\%$  @ 550nm  
 $T_p > 78\%$  @ 650nm

**Transmitted Wavefront Distortion (RMS):**

<0.33 $\lambda$  @ 633nm

**Wavelength Range (nm):**

400 - 700

## Regulatory Compliance

**RoHS 2015:**

Compliant

**Certificate of Conformance:**

[View](#)

**REACH 241:**

Compliant

**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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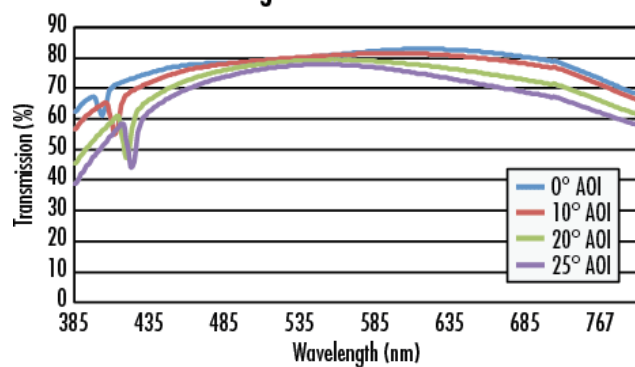
## Product Details

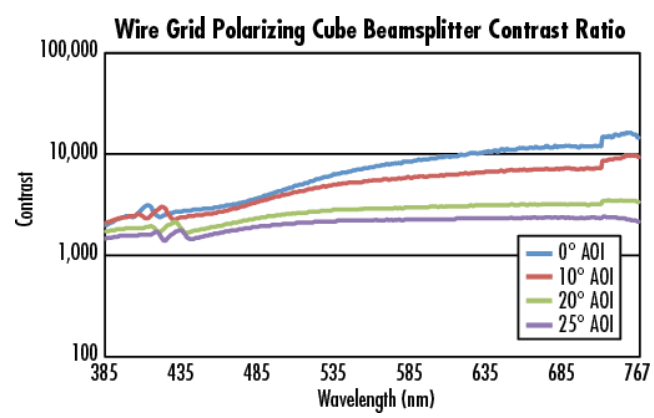
- High Contrast Over Large Angles of Incidence
- Low Color Shift at Large Angles
- Ideal for Uncollimated Light Sources

Wire Grid Polarizing Cube Beamsplitters are designed for applications using uncollimated light, such as with a broadband white light source. Wire Grid Polarizing Cube Beamsplitters consist of a wire grid polarizer cemented between two precision high tolerance right angle prisms. An anti-reflection coating has been applied to each face of the beamsplitter to provide less than 0.5% average reflection per surface. Additionally, these beamsplitters maintain their contrast spectrally from 400 – 700nm and over a large cone angle of  $\pm 25^\circ$ .

## Technical Information

Wire Grid Polarizing Cube Transmission of P-Polarization





Wavelength	Incident Cone of Light				
	±5°	±10°	±15°	±20°	±25°
400 - 500nm	2,100:1	2,000:1	1,600:1	1,400:1	1,100:1
500 - 600nm	4,000:1	3,900:1	2,900:1	2,600:1	1,900:1
600 - 700nm	6,000:1	5,500:1	4,200:1	3,800:1	2,500:1