

**TECHSPEC® 10mm, 632.8nm, Lateral Displacement Polarizing Beamsplitter**



Lateral Displacement Beamsplitters

Stock **#47-190** **1 In Stock**

⊖ 1 ⊕ £536<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£536.00 each
Qty 6-25	£428.00 each
Qty 26-99	£391.20 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Linear Polarizer **Type:**  
Polarizing **Type of Optics:**

**Physical & Mechanical Properties**

**Clear Aperture (%):**

80.00

**Construction:**

Prism

**Dimensional Tolerance (mm):**

±0.1

**Parallelism (arcmin):**

<2

**Optical Properties**

**Angle Tolerance (arcsec):**

±5

**Beam Separation (mm):**

10.00

**Coating Specification:**

R<sub>abs</sub> <0.3% @ 632.8nm

**Design Wavelength DWL (nm):**

632.8

**Extinction Ratio:**

>1000:1

**P-Polarization Transmission (%):**

>95

**Reflection/Transmission Tolerance (%):**

±10

**S-Polarization Reflection (%):**

>99

**Substrate:**

N-BK7

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

λ/8

**Surface Quality:**

40-20

**Regulatory Compliance**

**Certificate of Conformance:**

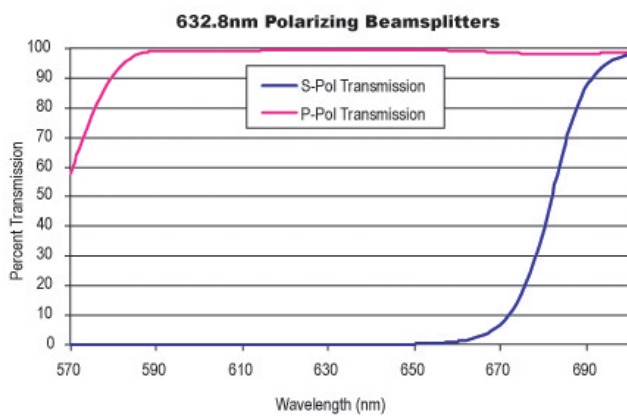
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**Product Details**

- Visible and NIR Coating Options Offered
- Simplifies Benchtop Layout
- Split Incident Beam into Two Displaced Parallel Beams

TECHSPEC® Lateral Displacement Beamsplitters output two parallel beams separated by a fixed distance. The beamsplitters consist of a precision **rhomboid prism** cemented to a **λ/8 right angle prism**. The high tolerance design ensures the exiting beams are parallel to within 2 arcmin. TECHSPEC® Lateral Displacement Beamsplitters' entrance and exit faces feature a multi-layer anti-reflection (AR) coating for increased efficiency. Polarizing and non-polarizing coatings are available for these beamsplitters.

**Technical Information**



Size (A)	10mm	20mm
Beam Separation	10mm	20mm



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