

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



Lateral Displacement Beamsplitters

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

⊖ 1 ⊕ €670⁰⁰

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Volume Pricing	
Qty 1-5	€670,00 each
Qty 6-25	€535,00 each
Qty 26-99	€489,00 each
Need More?	Request Quote

ⓘ 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_{abs} <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:

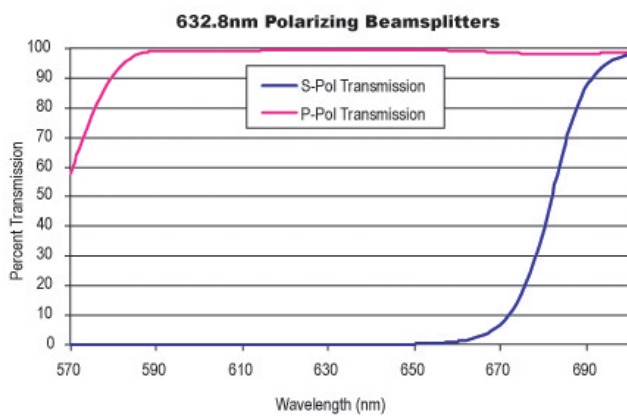
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Product Details

- 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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