

TECHSPEC® 20mm, 632.8nm, Lateral Displacement Polarizing Beamsplitter



Lateral Displacement Beamsplitters

Stock #47-191 **1 In Stock**

⊖ 1 ⊕ €800.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €800,00 each |
| Qty 6-25 | €635,00 each |
| Qty 26-99 | €590,00 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

Prism

Construction:

±0.1

Dimensional Tolerance (mm):

<2

Parallelism (arcmin):

Optical Properties

±5

Angle Tolerance (arcsec):

20.00

Beam Separation (mm):

R_{abs} <0.3% @ 632.8nm

Coating Specification:

632.8

Design Wavelength DWL (nm):

>1000:1

Extinction Ratio:

>95

P-Polarization Transmission (%):

>99

S-Polarization Reflection (%):

N-BK7

Substrate:

λ/8

Surface Flatness (P-V):

40-20

Surface Quality:

Regulatory Compliance

[View](#)

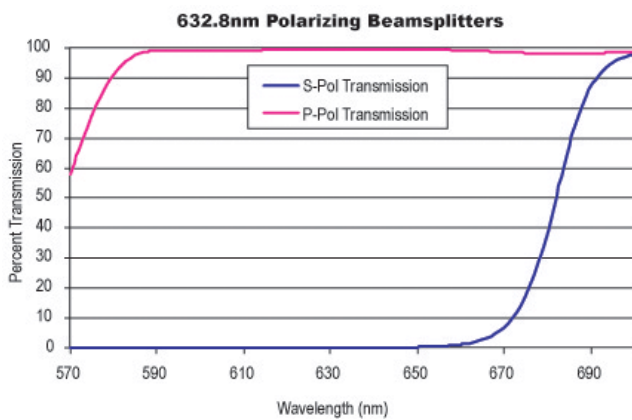
Certificate of Conformance:

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 |