

TECHSPEC[®] 10mm, Al & VIS 0°, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#47-594** 14 In Stock

-

1

+

£107²⁰

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Volume Pricing	
Qty 1-5	£107.20 each
Qty 6-25	£85.60 each
Qty 26-49	£80.00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

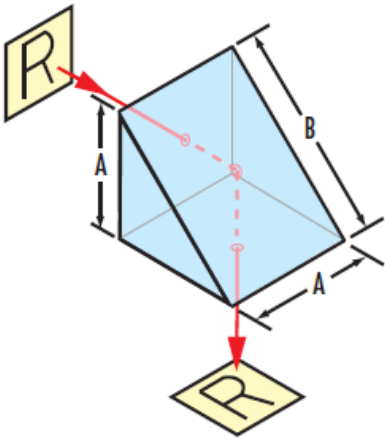
General	
Right Angle Prism	Type:
Physical & Mechanical Properties	
+0/-0.1	Dimensional Tolerance (mm):
	Bevel:

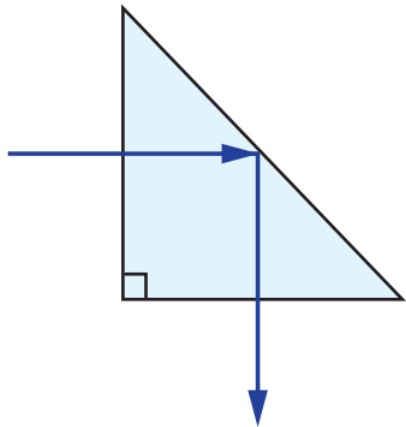
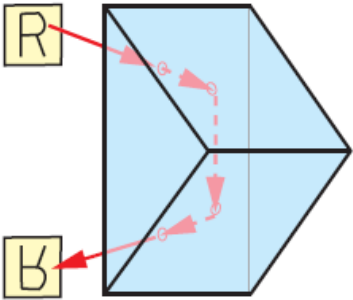
Protective as needed	
14.10	Length of Hypotenuse (mm):
10.00	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
VIS 0° & Aluminized	Coating:
N-BK7	Substrate: □
40-20	Surface Quality:
Left-Handed	Image Orientation:
Coating Specification: Hypotenuse: R _{avg} >85% @ 400 - 700nm, R _{avg} >90% @ 400 - 2000nm Legs: R _{avg} ≤0.4% @ 425 - 675nm	
90	Ray Deviation (°):
425 - 675	Wavelength Range (nm):
Damage Threshold, By Design: □ Hypotenuse: 0.3 J/cm ² @ 532nm & 1064nm, 10ns Legs: 5 J/cm ² @ 532nm, 10ns	
1.25	Power (fringes) @ 632.8nm:
0.25	Irregularity (fringes) @ 632.8nm:
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

Product Details

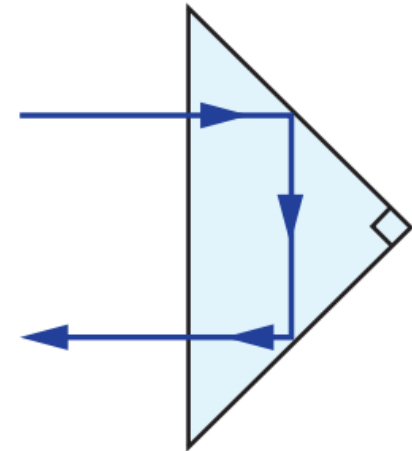
- Ray Deviation of 90°
 - Left Handed Image
 - Low Arcsecond Angle Tolerance
 - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® High Tolerance N-BK7 Right Angle Prisms are generally used to bend image paths or redirect light at 90°. This process produces a left-handed image, depending on the prism's orientation, the image may be inverted or reverted. Right angle prisms can also be combined for image/beam displacement. TECHSPEC® High Tolerance N-BK7 Right Angle Prisms feature low arcsecond angle tolerance and are made from precision N-BK7 for use in a variety of visible light applications. These prisms are available uncoated, with a protective aluminum overcoat, or VIS° & aluminized.

Technical Information

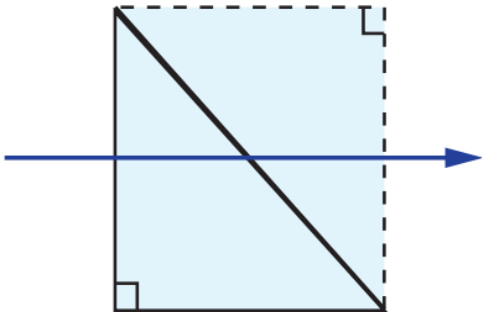




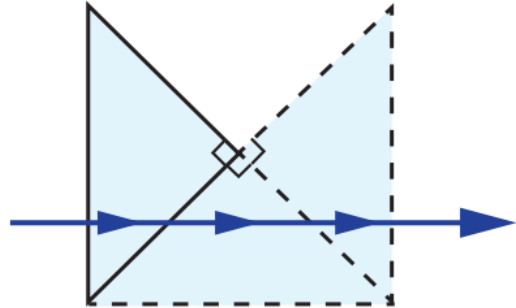
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram