

TECHSPEC[®] 7mm, Al & VIS 0° Coated, N-BK7 High Tolerance RA Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#47-930** **5 In Stock**

-

1

+

£107²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£107.20 each
Qty 6-25	£85.60 each
Qty 26-49	£80.00 each
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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	
9.90	Length of Hypotenuse (mm):
7.00	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
VS 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:
View	Certificate of Conformance:
Compliant	Reach 235:

Product Details

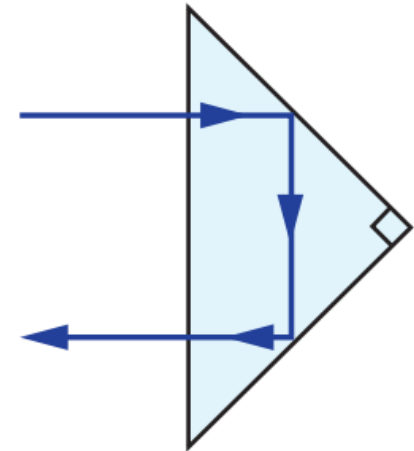
- Ray Deviation of 90°
 - Left Handed Image
 - Low Arcsecond Angle Tolerance
 - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® High Tolerance N-BK7 Right Angle Prisms are generally used to bend image paths or redirect light at 90°. This process produces a left-handed image, depending 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 VS° & aluminized.

Technical Information

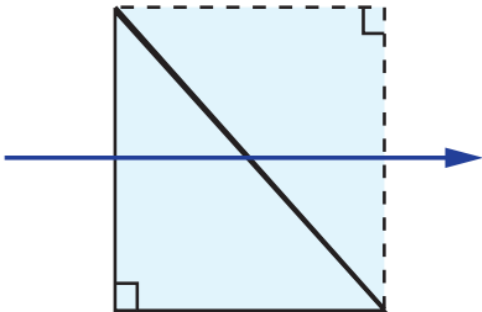




Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram