TECHSPEC® **30mm, Aluminum, High Tolerance N-BK7 Right Angle Prism**

N-BK7 High Tolerance Right Angle Prisms

Stock **#32-552**   **20+ In Stock**

(−) 1 (+)   **C$242**.²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	**C$242.20** each
Qty 6-25	**C$193.20** each
Qty 26-49	**C$182.00** each
Need More?	**Request Quote**

Product Downloads

General

Type:
Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):
+0/-0.1

Bevel:
Protective as needed

Length of Hypotenuse (mm):	
42.40	
Length of Legs (mm):	
30.00	

Optical Properties

Angle Tolerance (arcsec):	
±15	
Coating:	
Aluminum with protective overcoat	
Substrate: ☐	
N-BK7	
Surface Quality:	
40-20	
Image Orientation:	
Left-Handed	
Coating Specification:	
Reflective Surfaces: R_{avg}>85% FROM 400-700nm, @ 45° AOI	
Ray Deviation (°):	
90	
Wavelength Range (nm):	
400 - 2000	
Damage Threshold, By Design: ☐	
Hypotenuse: 0.3 J/cm^2 @ 532nm & 1064nm, 10ns	
Power (fringes) @ 632.8nm:	
1.25	
Irregularity (fringes) @ 632.8nm:	
0.25	

Regulatory Compliance

|	
RoHS 2015:	
Compliant	
Reach 219:	
Compliant	
Certificate of Conformance:	
View	

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.
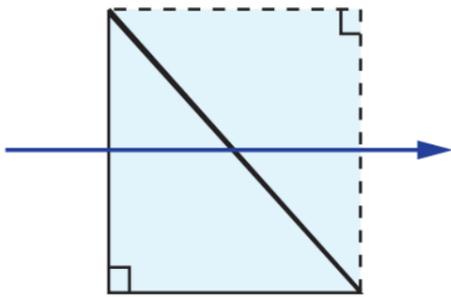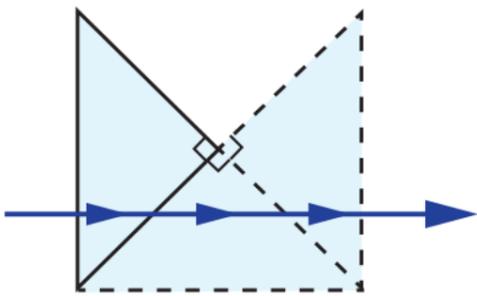
Technical Information
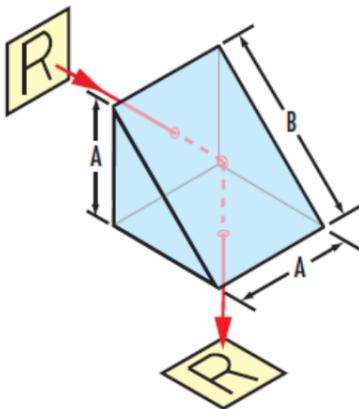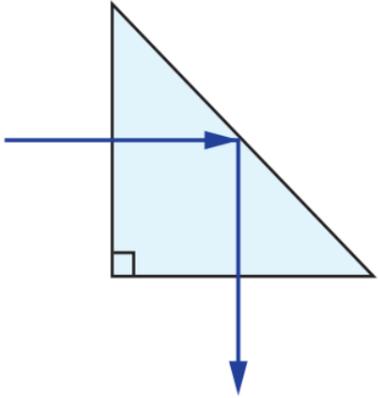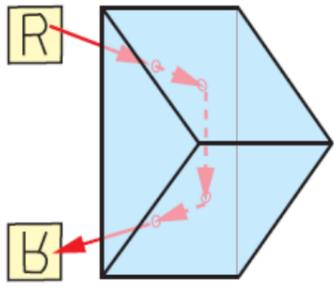
Right Angle Prism Ray Path
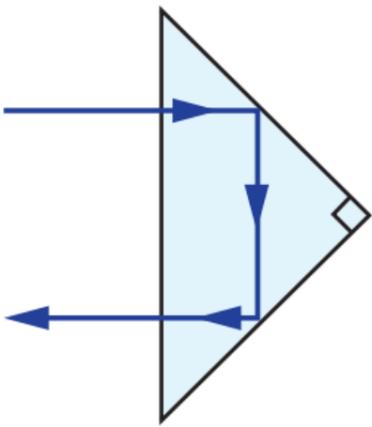
Right Angle Prism Ray Path

Right Angle Prism Tunnel Diagram

Right Angle Prism Tunnel Diagram