See all 30 Products in Family

TECHSPEC® 50mm, AL & VIS 0°, High Tolerance N-BK7 Right Angle Prism

N-BK7 High Tolerance Right Angle Prisms

Stock **#65-932** CONTACT US

- 1 + C$410.20

ADD TO CART

Volume Pricing	
Qty 1-5	**C$410.20** each
Qty 6-25	**C$329.00** each
Qty 26-49	**C$308.00** 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):
70.70

Length of Legs (mm):
50.00

Optical Properties

Angle Tolerance (arcsec):
±15

Coating:
VIS 0° & Aluminized

Substrate:
N-BK7

Surface Quality:
40-20

Image Orientation:
Left-Handed

Coating Specification:
Hypotenuse: R_{avg} >85% @ 400 - 700nm, R_{avg} >90% @ 400 - 2000nm
Legs: R_{avg} ≤0.4% @ 425 - 675nm

Ray Deviation (°):
90

Wavelength Range (nm):
425 - 675

Damage Threshold, By Design:
Hypotenuse: 0.3 J/cm^2 @ 532nm & 1064nm, 10ns
Legs: 5 J/cm^2 @ 532nm, 10ns

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

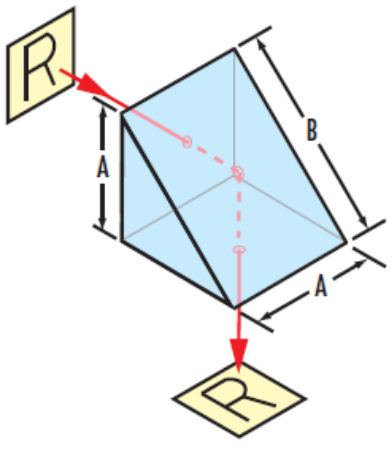
Reach 235:
Compliant

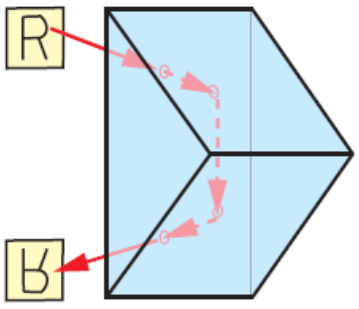
Product Details

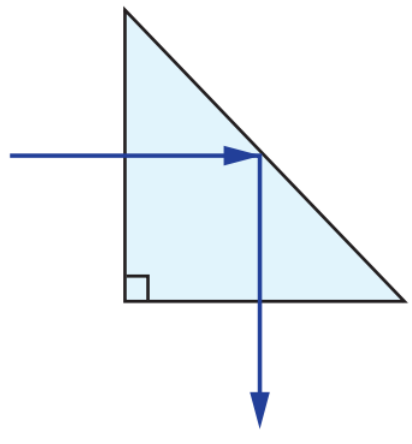
- Ray Deviation of 90°
- Left Handed Image
- Low Arcsecond Angle Tolerance
- Additional Right Angle Prism Options Available

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.

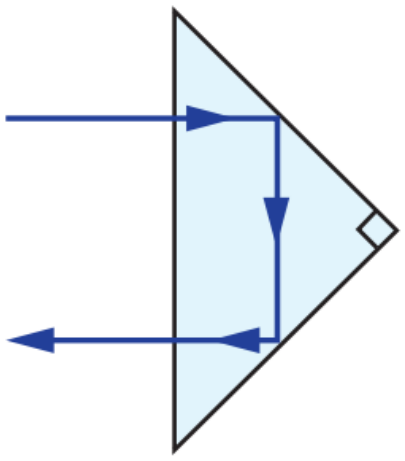
Technical Information



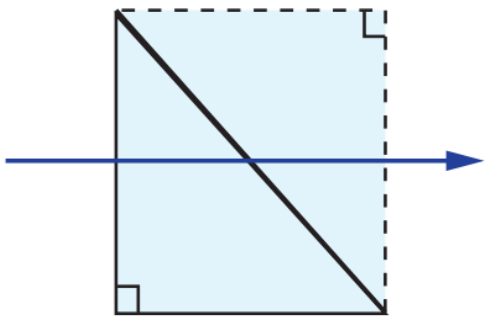




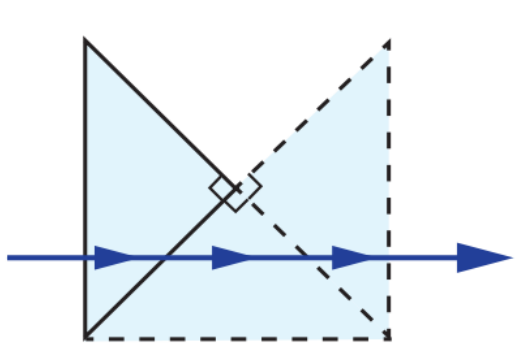
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

;