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TECHSPEC® 15mm, AI & VIS 0°, High Tolerance N-BK7 Right Angle Prism

N-BK7 High Tolerance Right Angle Prisms

Stock **#47-931** **16 In Stock**

- 1 +

A$220.80

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Volume Pricing	
Qty 1-5	**A$220.80** each
Qty 6-25	**A$177.60** each
Qty 26-49	**A$166.40** each
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Product Downloads

General

Type:

Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+0/-0.1

Bevel:

Protective as needed

Length of Hypotenuse (mm):
21.20

Length of Legs (mm):
15.00

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

Reach 219:
Compliant

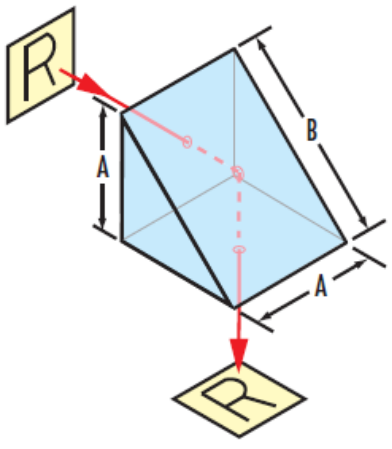
Certificate of Conformance:
View

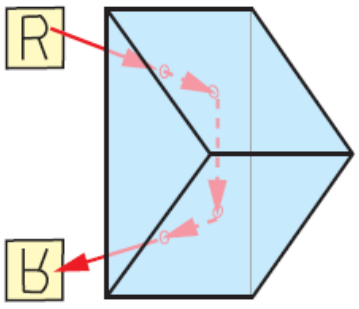
Product Details

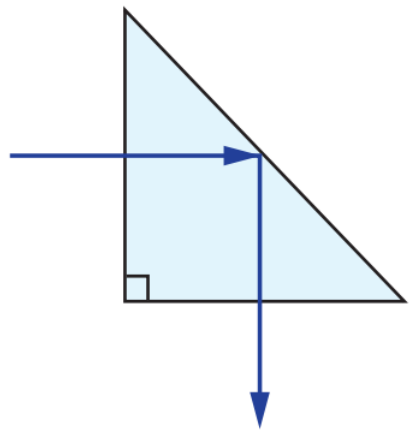
- Ray Deviation of 90°
- Left Handed Image
- Low Arcsecond Angle Tolerance
- Additional **Right Angle Prism** Options Available

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.

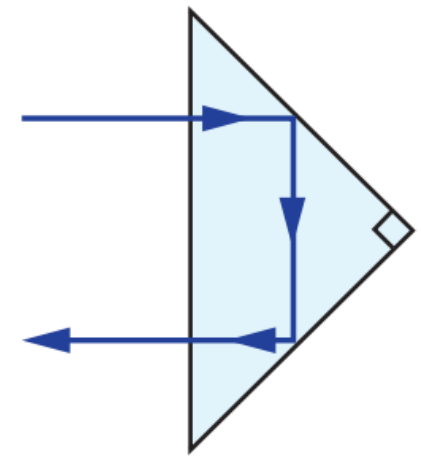
Technical Information







Right Angle Prism Ray Path



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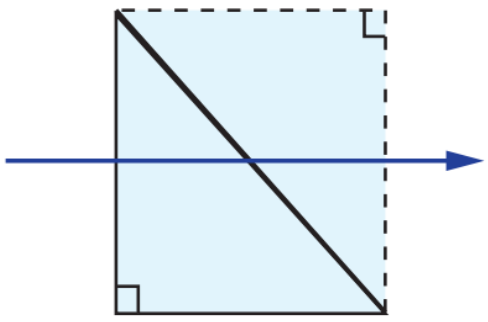
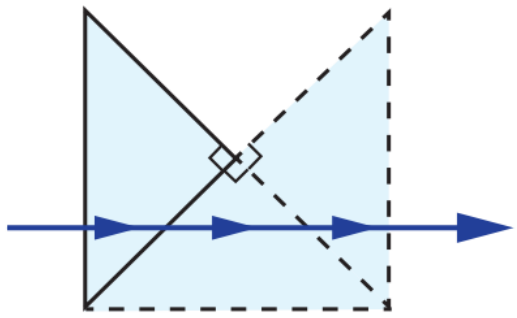


Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

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