

[See all 30 Products in Family](#)

TECHSPEC® 12.5mm, Aluminum, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#65-929** **7 In Stock**

⊖ 1 ⊕ **\$\$159⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	\$\$159.60 each
Qty 6-25	\$\$127.40 each
Qty 26-49	\$\$119.70 each
Need More?	Request Quote

Product Downloads

General

Right Angle Prism **Type:**

Physical & Mechanical Properties

+0/-0.1 **Dimensional Tolerance (mm):**

Protective as needed **Bevel:**

Length of Hypotenuse (mm):

17.70

Length of Legs (mm):

12.50

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

Certificate of Conformance:

[View](#)

Reach 235:

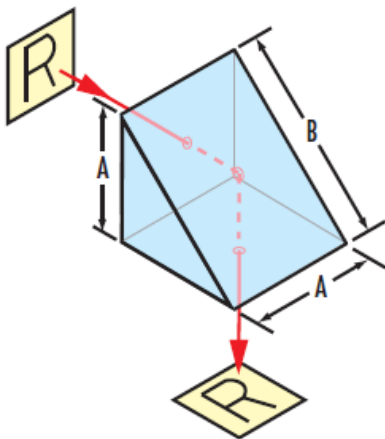
Compliant

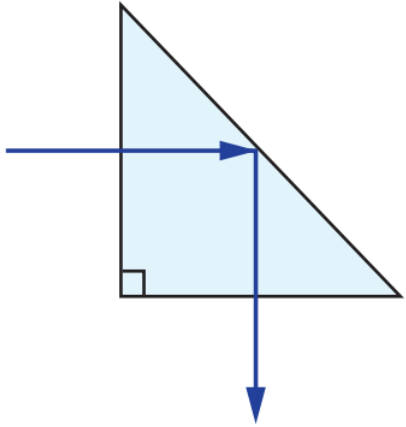
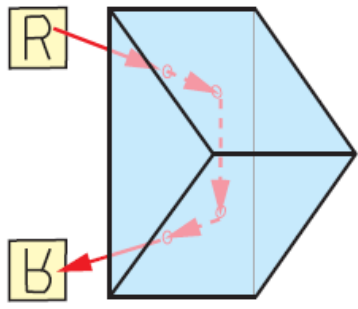
Product Details

- Ray Deviation of 90°
- Left Handed Image
- Low Arcsecond Angle Tolerance
- Additional [Right Angle Prism](#) Options Available

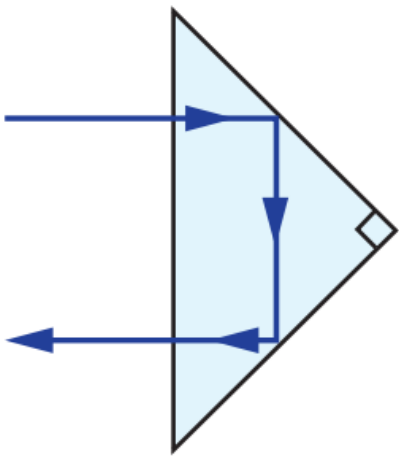
TECHSPEC® High Tolerance N-BK7 Right Angle Prisms are generally used to bend image paths or redirect light at 90°. This process produces a left-handed image, depending on the prism's orientation, the image may be inverted or reverted. Right angle prisms can also be combined for image/beam displacement. 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

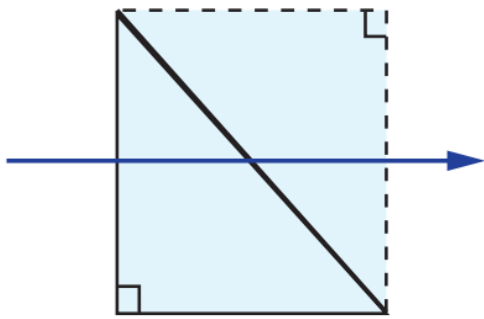




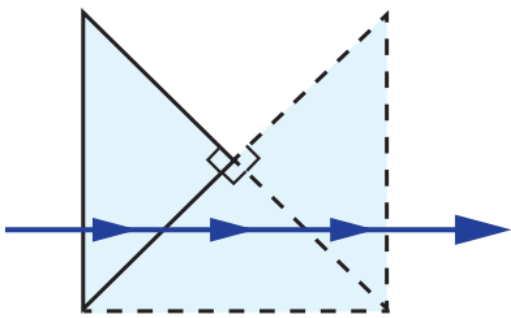
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram