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**TECHSPEC® 30mm, Al & VIS 0°, High Tolerance N-BK7 Right Angle Prism**



N-BK7 High Tolerance Right Angle Prisms

Stock #47-932 **20+ In Stock**

⊖ 1 ⊕ A\$304<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	A\$304.00 each
Qty 6-25	A\$243.20 each
Qty 26-49	A\$227.20 each
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Product Downloads

**General**

Right Angle Prism **Type:**

**Physical & Mechanical Properties**

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

Protective as needed **Bevel:**

Length of Hypotenuse (mm):  
42.40

Length of Legs (mm):  
30.00

## 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:  $R_{avg} \leq 0.4\%$  @ 425 - 675nm

Ray Deviation (°):  
90

Wavelength Range (nm):  
425 - 675

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

Power (fringes) @ 632.8nm:  
1.25

Irregularity (fringes) @ 632.8nm:  
0.25

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

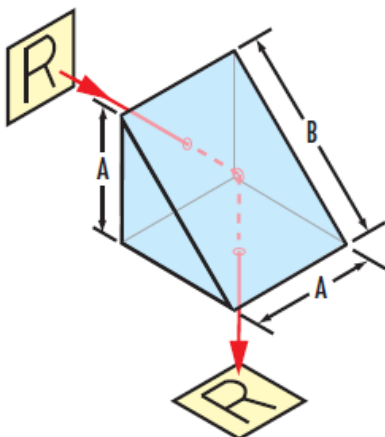
Reach 235:  
[Compliant](#)

## 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

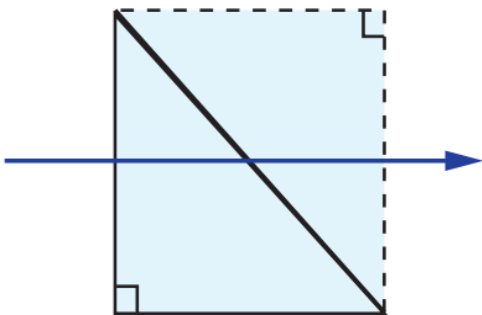




*Right Angle Prism Ray Path*



*Right Angle Prism Ray Path*



*Right Angle Prism Tunnel Diagram*



*Right Angle Prism Tunnel Diagram*