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TECHSPEC® 50mm VIS 0 Hypotenuse, BBAR Right Angle Prism



Broadband Anti-Reflection Coated Hypotenuse Prism

Stock **#34-405** **6 In Stock**

⊖ 1 ⊕ **A\$462⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	A\$462.40 each
Qty 6-25	A\$369.60 each
Qty 26-49	A\$347.20 each
Need More?	Request Quote

Product Downloads

General

Right Angle Prism **Type:**

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

Beam Deviation (arcsec):
±15

Coating:
VIS 0° (425-675nm)

Substrate:
N-BK7

Surface Quality:
40-20

Image Orientation:
Left-Handed

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

Ray Deviation (°):
90

Wavelength Range (nm):
350 - 2200

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
[View](#)

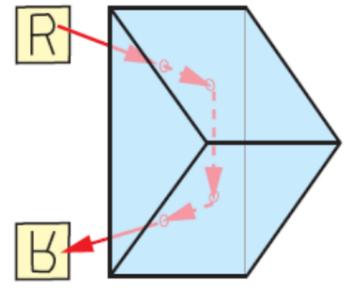
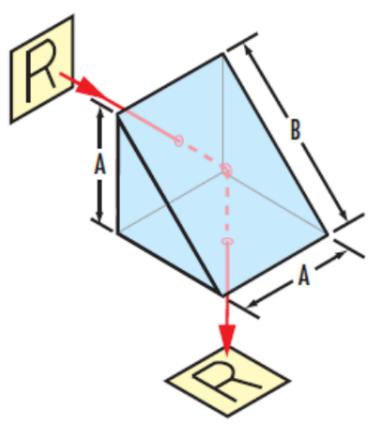
Reach 235:
Compliant

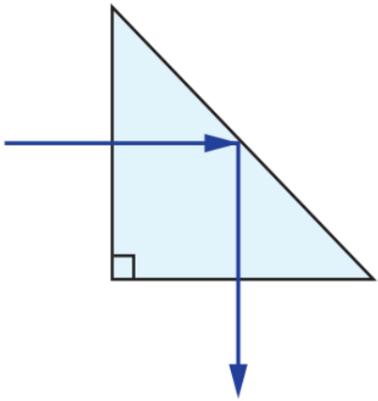
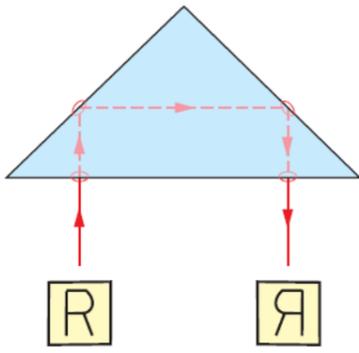
Product Details

- Single Axis Retroreflector
- Right-Handed Image
- VIS and NIR Options Available

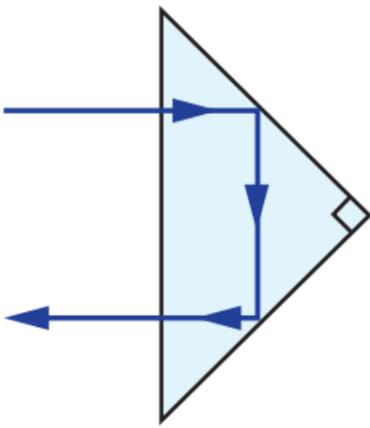
TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Hypotenuse Coated) are ideal for applications that require a single axis retroreflector. These prisms feature coating options that cover the visible and near-infrared spectrum, as well as tight angular tolerances. These TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Hypotenuse Coated) are also available in custom sizes.

Technical Information

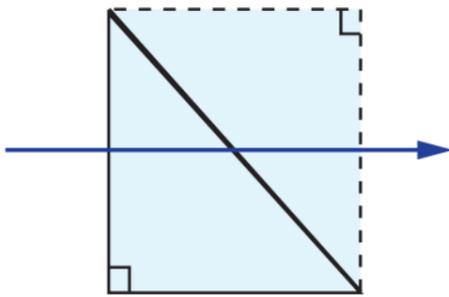




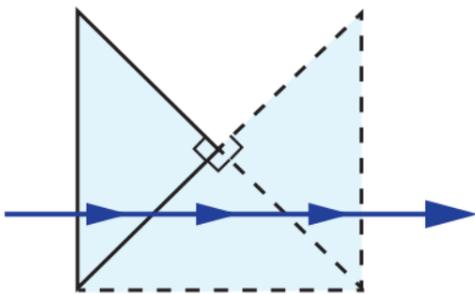
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

Coating Curves

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries

- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).
