

TECHSPEC[®] 25mm VIS-NIR Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock #84-518 5 In Stock

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1

+

€146^{.00}

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Volume Pricing	
Qty 1-5	€146,00 each
Qty 6-25	€117,00 each
Qty 26-49	€110,00 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Right Angle Prism

Type:

Coating on Entrance/Exit Faces

Note:

Physical & Mechanical Properties

+0.00/-0.10

Dimensional Tolerance (mm):

Protective as needed	Bevel:
90	Clear Aperture (%):
35.40	Length of Hypotenuse (mm):
25.00	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
VIS-NIR (400-1000nm)	Coating:
N-BK7	Substrate: ☐
40-20	Surface Quality:
Left-Handed	Image Orientation:
Entrance/Exit Faces: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	Coating Specification:
90	Ray Deviation (°):
400 - 1000	Wavelength Range (nm):
Entrance/Exit Faces: 5 J/cm² @ 532nm, 10ns	Damage Threshold, By Design: ☐
1.25	Power (fringes) @ 632.8nm:
0.25	Irregularity (fringes) @ 632.8nm:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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](#).

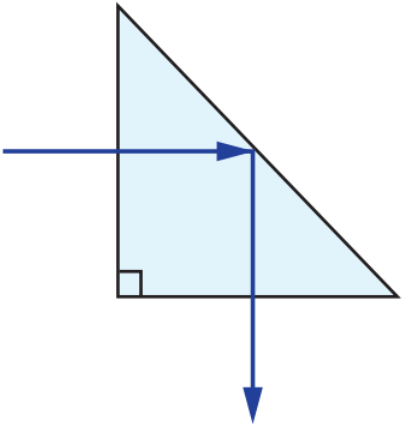
Product Details

- Ideal for Low Power Laser Sources
- Multiple BBAR Coatings Available
- Ray Deviation of 90°

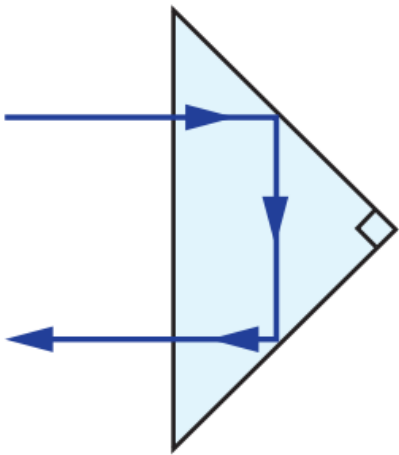
TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) are ideal for a range of low power laser line applications. These prisms feature tight angle tolerances and a precision N-BK7 substrate. The BBAR coating improves transmission efficiency when compared to uncoated right angle prisms. TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) have their BBAR coating on entrance and exit faces. The prisms are available in lengths from 5 to 50mm.

Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement.

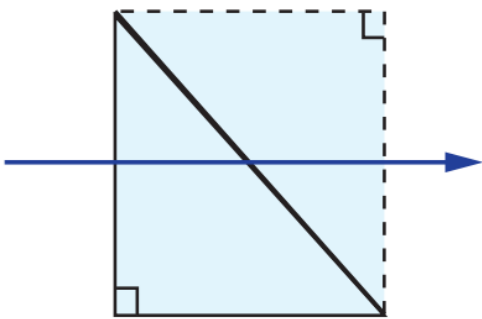
Technical Information



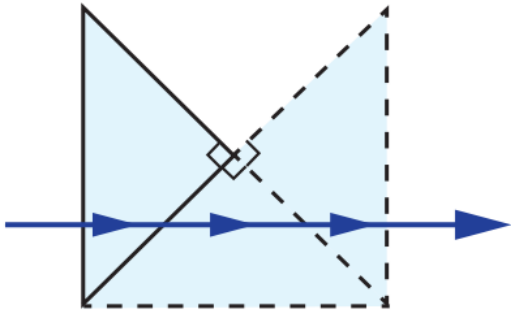
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

Coating Curves