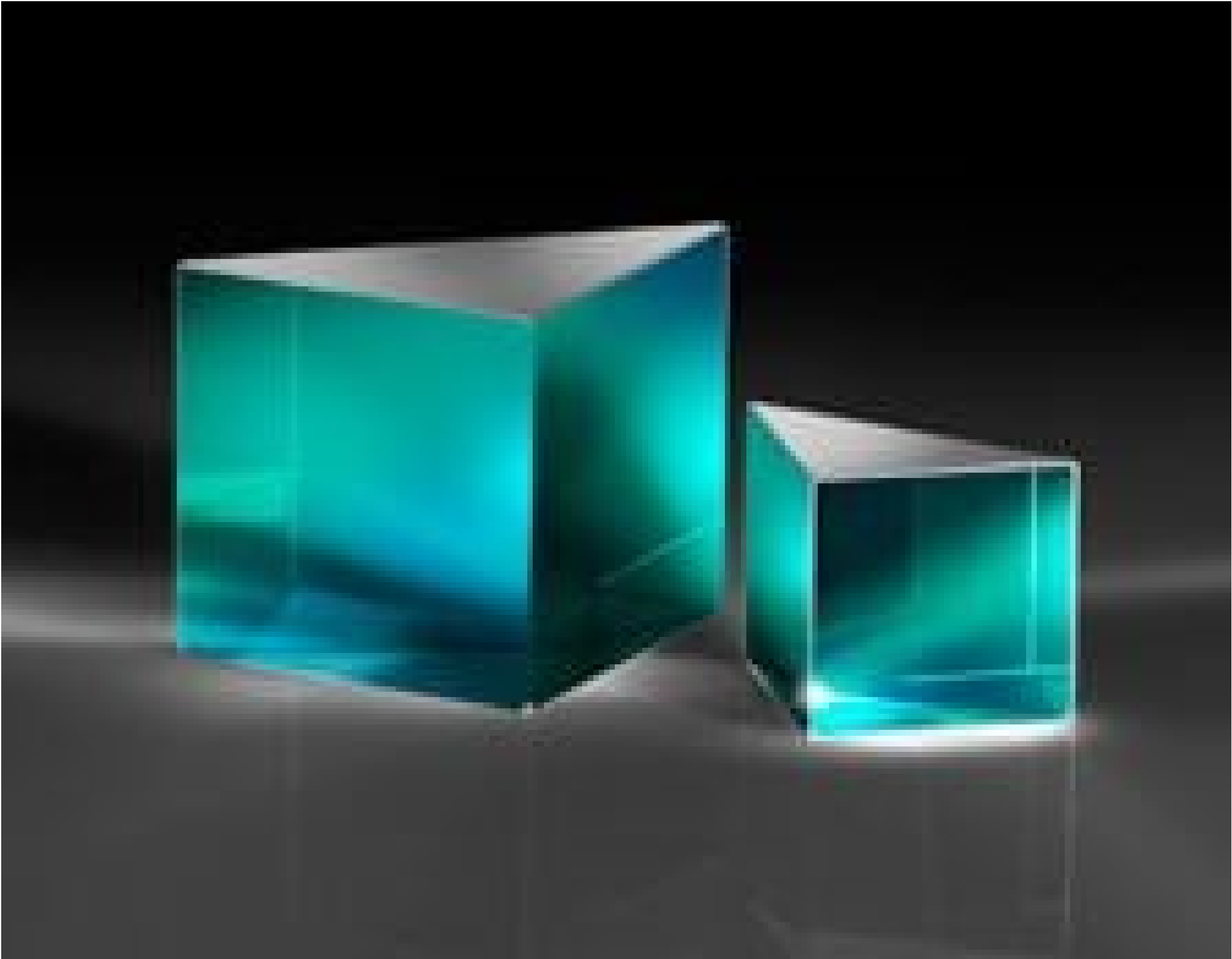


TECHSPEC® 5mm NIR I Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock #84-521 20+ In Stock

-

1

+

£96^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	£96.00 each
Qty 6-25	£77.20 each
Qty 26-49	£76.80 each
Need More?	Request Quote

! 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 (%):
7.10	Length of Hypotenuse (mm):
5.00	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
NIR I (600-1050nm)	Coating:
N-BK7	Substrate: ☐
40-20	Surface Quality:
Left-Handed	Image Orientation:
Entrance/Exit Faces: R _{avg} ≤0.5% @ 600 - 1050nm	Coating Specification:
90	Ray Deviation (°):
600 - 1050	Wavelength Range (nm):
Entrance/Exit Faces: 7 J/cm ² @ 1064nm, 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](#).

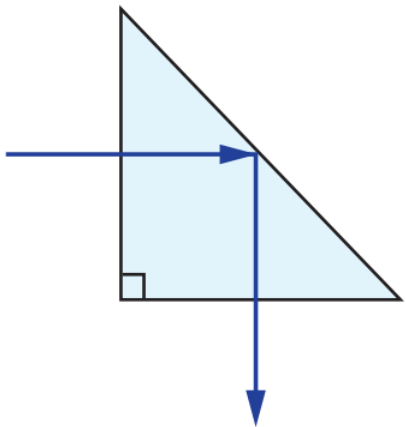
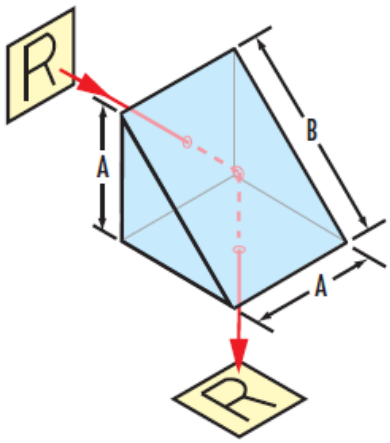
Product Details

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

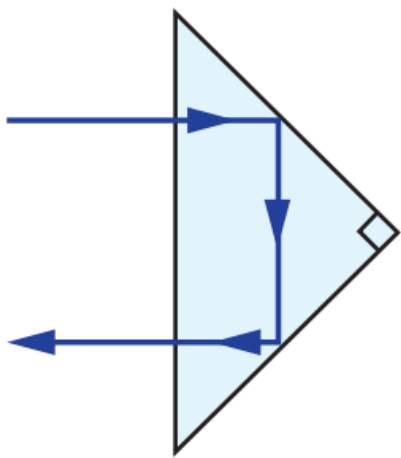
TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) are ideal for a range of low power laser line applications. These prisms feature tight angle tolerances and a precision N-BK7 substrate. The BBAR coating improves transmission efficiency when compared to uncoated 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.

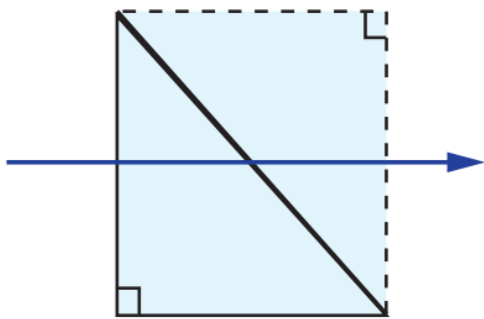
Technical Information



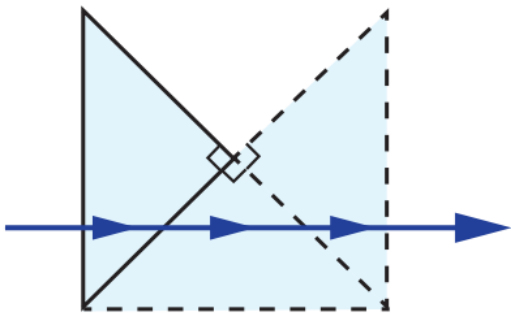
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram