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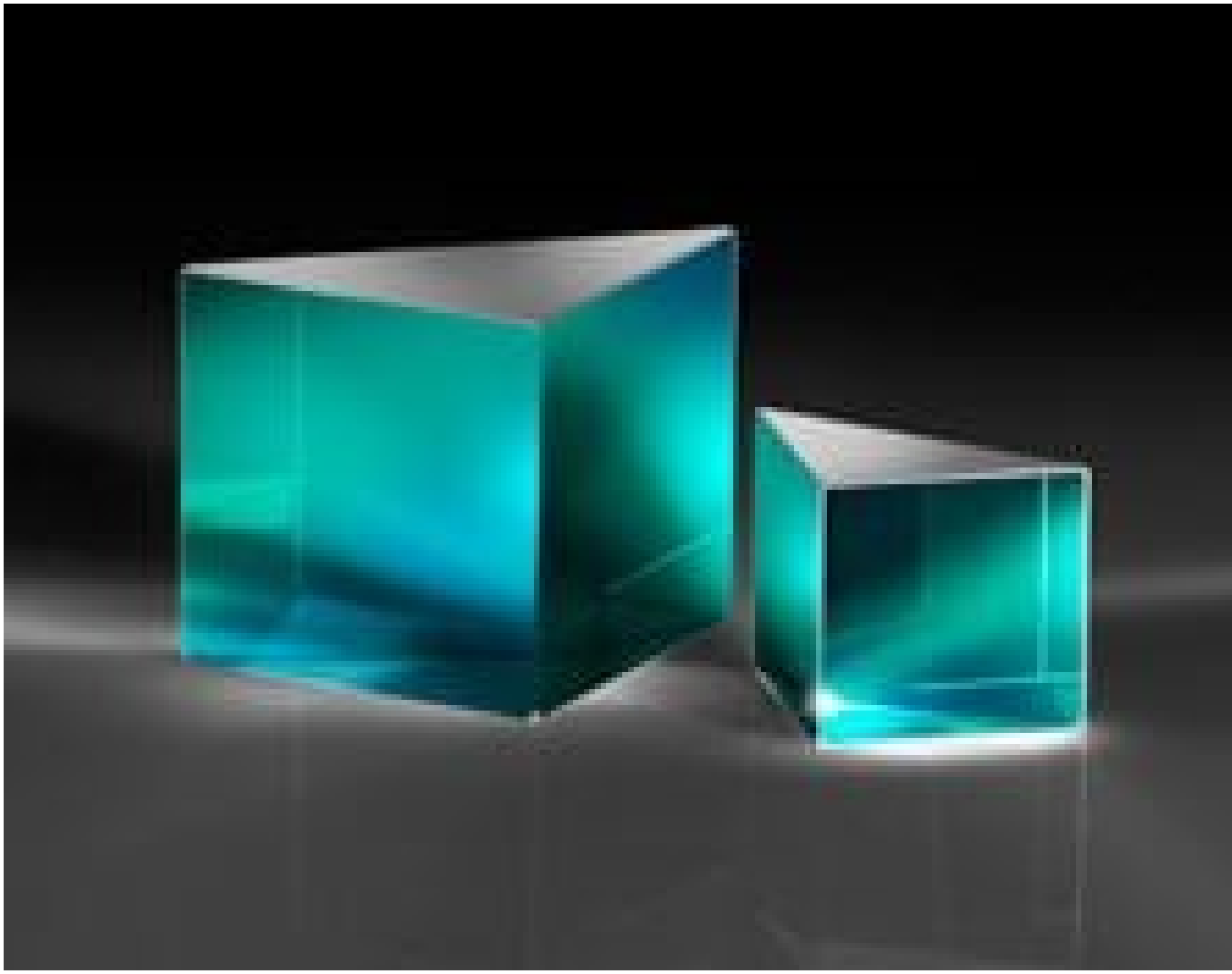
TECHSPEC® 12.5mm NIR II Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock **#26-774** **1 In Stock**

- 1 + **A$195.20**

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Volume Pricing	
Qty 1-5	**A$195.20** each
Qty 6-25	**A$156.00** each
Qty 26-49	**A$146.40** each
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Product Downloads

General

Type:
Right Angle Prism

Note:
Coating on Entrance/Exit Faces

Physical & Mechanical Properties

Dimensional Tolerance (mm):
+0.00/-0.10

Bevel:
Protective as needed

Clear Aperture (%):
90

Length of Hypotenuse (mm):
17.70

Length of Legs (mm):
12.50

Optical Properties

Angle Tolerance (arcsec):
±15

Coating:
NIR II (750-1550nm)

Substrate:
N-BK7

Surface Quality:
40-20

Image Orientation:
Left-Handed

Coating Specification:
R_{abs} ≤1.5% @ 750 - 800nm R_{abs} ≤1.0% @ 800 - 1550nm R_{avg} ≤0.7% @ 750 - 1550nm

Ray Deviation (°):
90

Wavelength Range (nm):
750 - 1550

Damage Threshold, Reference:
Entrance/Exit Faces: 8 J/cm^2 @ 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

Need different specs or modifications?

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.

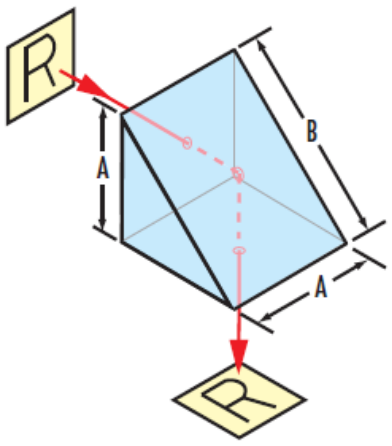
Product Details

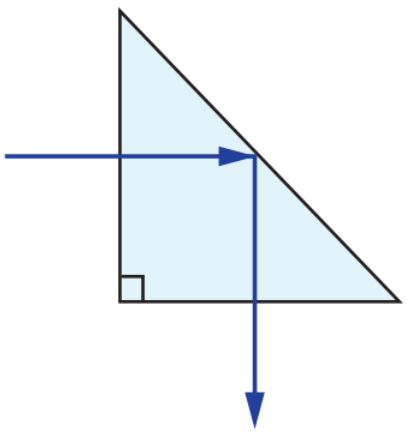
- Ideal for Low Power Laser Sources
- Multiple BBAR Coatings Available
- Ray Deviation of 90°

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.

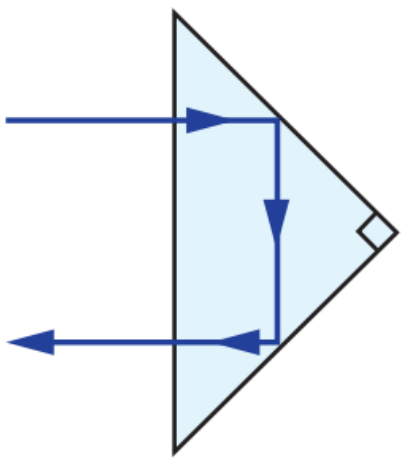
Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement.

Technical Information

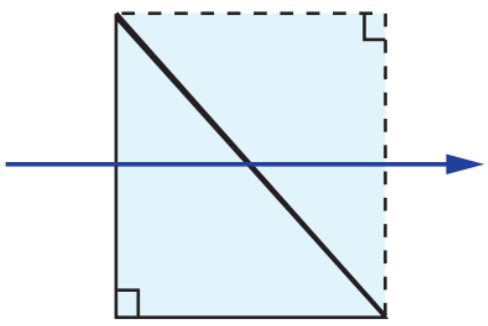




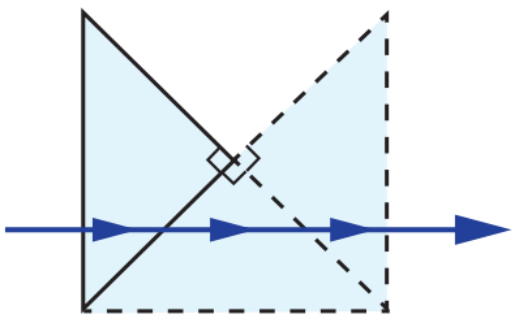
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

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