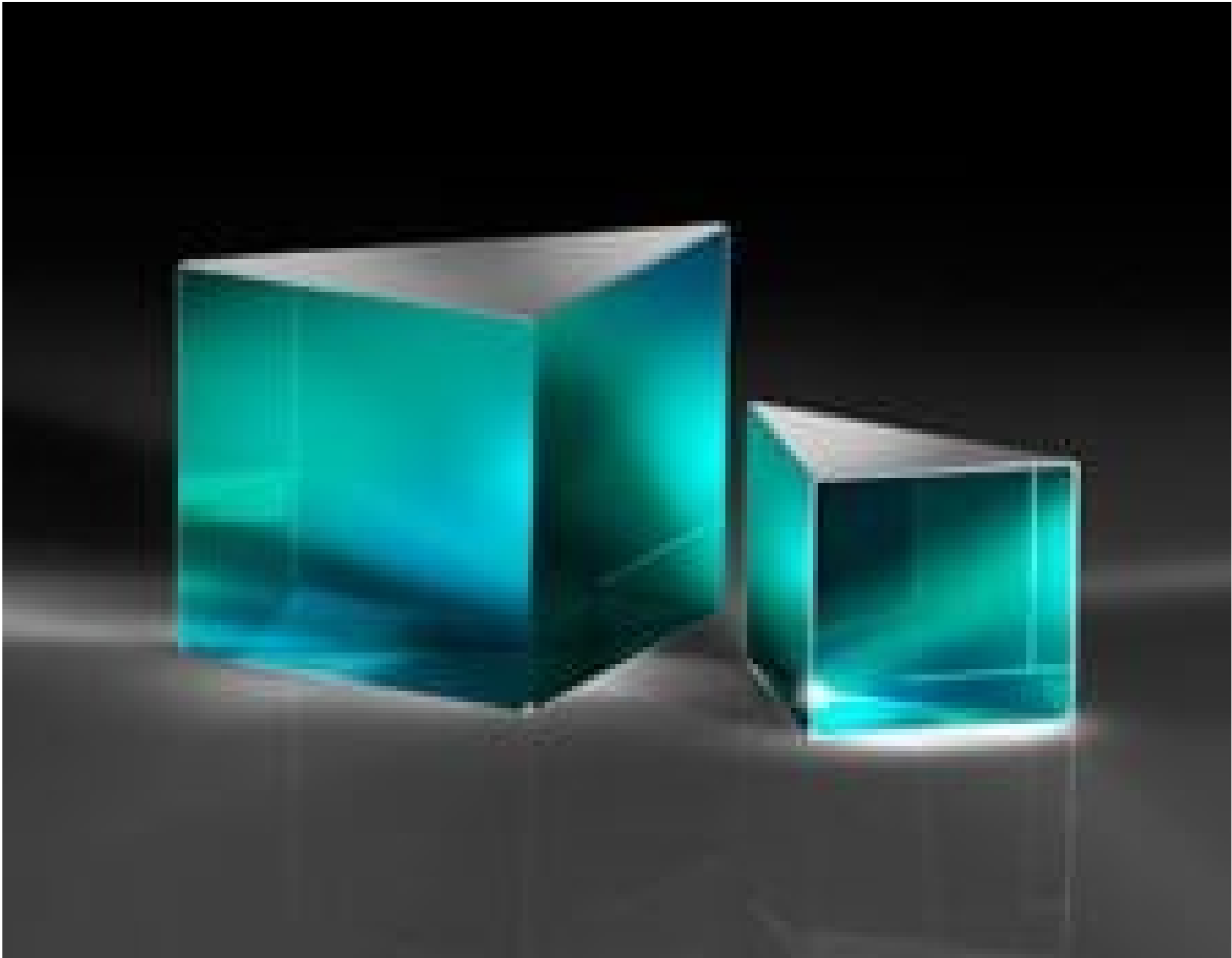


TECHSPEC[®] 50mm NIR II Coated, BBAR Coated Right Angle Prism



Stock **#26-779** 4 In Stock

-

1

+

£227^{.63}

ADD TO CART

Volume Pricing	
Qty 1-5	£227.63 each
Qty 6-25	£182.10 each
Qty 26-49	£170.72 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Right Angle Prism

Type:

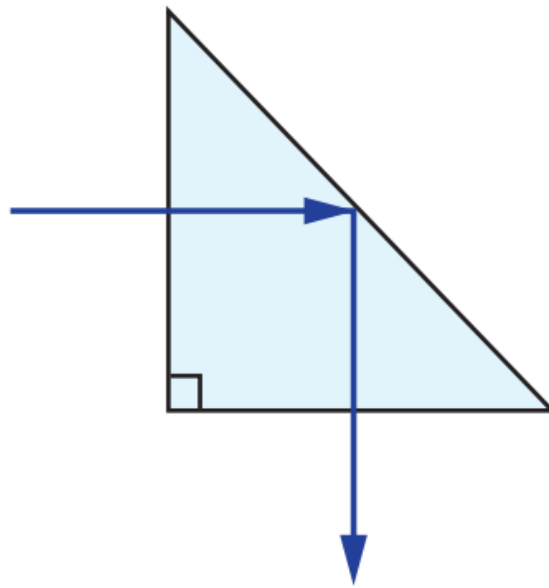
Coating on Entrance/Exit Faces		Note:
Physical & Mechanical Properties		
Dimensional Tolerance (mm):		
+0.00/-0.10		
Bevel:		
Protective as needed		
Clear Aperture (%):		
90		
Length of Hypotenuse (mm):		
70.70		
Length of Legs (mm):		
50.00		
Optical Properties		
Angle Tolerance (arcsec):		
±15		
Coating:		
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/cm² @ 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		

PRODUCT DETAILS

- Ideal for Low Power Laser Sources
 - Multiple BBAR Coatings Available
 - Ray Deviation of 90°
- TECHSPEC® Broadband Anti-Reflection (BBAR) Coated Right Angle Prisms 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 Right Angle Prisms 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

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](#).
