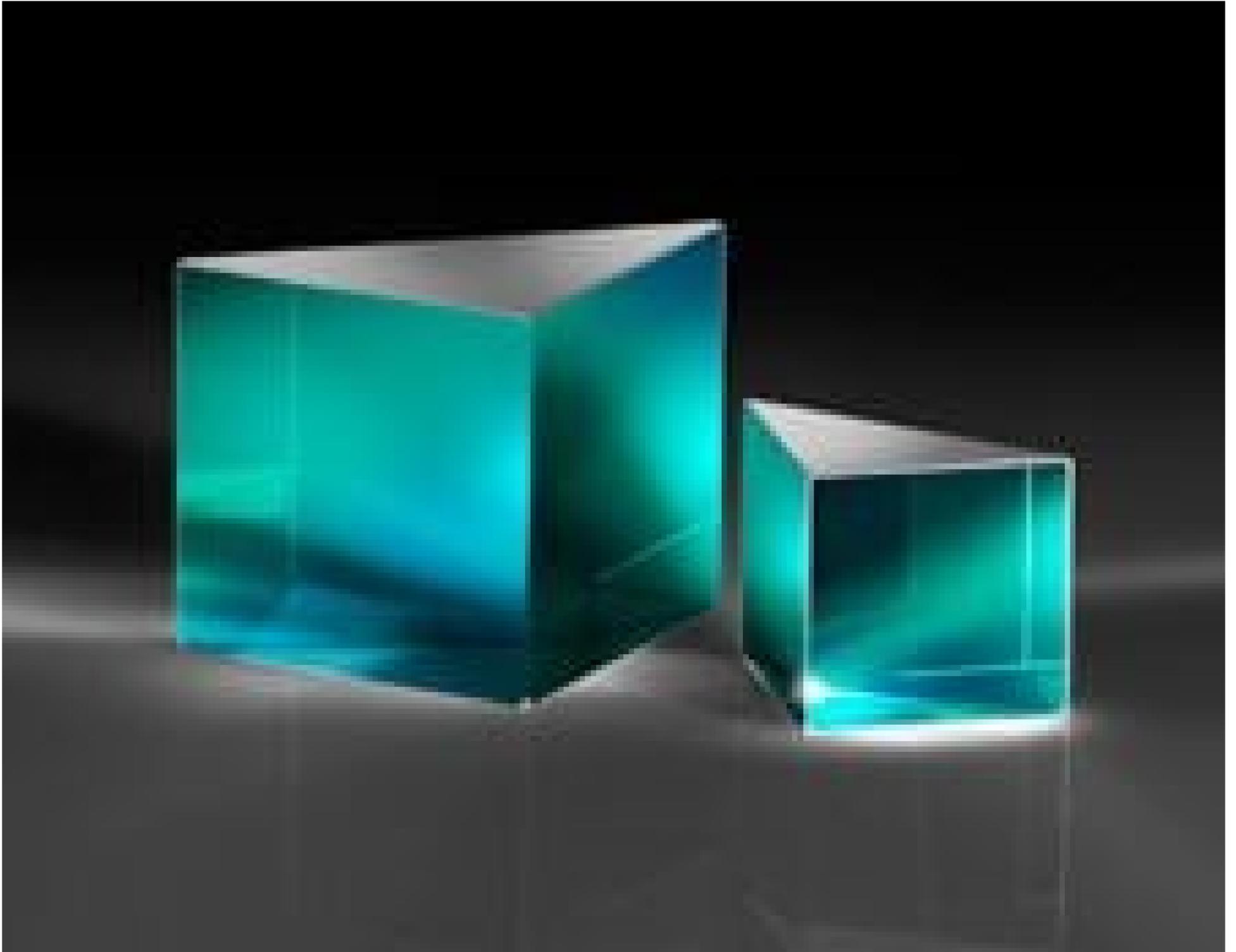


**TECHSPEC® 5mm VIS 0° Coated, N-BK7 Right Angle Prism (Leg Coated)**



Stock #84-505 **20+ In Stock**

⊖ 1 ⊕ £96.<sup>00</sup>

**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?	<a href="#">Request Quote</a>

ⓘ 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	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
7.10	<b>Length of Hypotenuse (mm):</b>
5.00	<b>Length of Legs (mm):</b>
<b>Optical Properties</b>	
±15	<b>Angle Tolerance (arcsec):</b>
VIS 0° (425-675nm)	<b>Coating:</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
Left-Handed	<b>Image Orientation:</b>
$R_{avg} \leq 0.4\%$ @ 425 - 675nm	<b>Coating Specification:</b>
90	<b>Ray Deviation (°):</b>
425 - 675	<b>Wavelength Range (nm):</b>
<b>Damage Threshold, Reference:</b> <input type="checkbox"/>	
Entrance/Exit Faces: 5 J/cm <sup>2</sup> @ 532nm, 10ns	
1.25	<b>Power (fringes) @ 632.8nm:</b>
0.25	<b>Irregularity (fringes) @ 632.8nm:</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

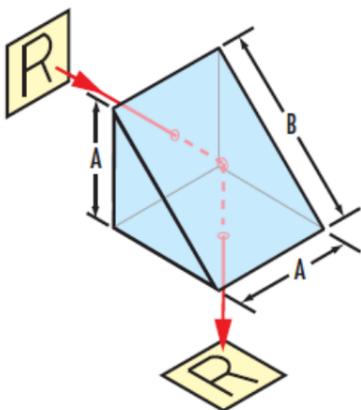
## Product Details

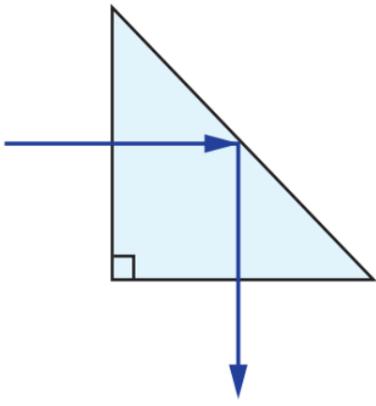
- Ideal for Low Power Laser Sources
- Multiple BBAR Coatings Available
- Ray Deviation of 90°

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.

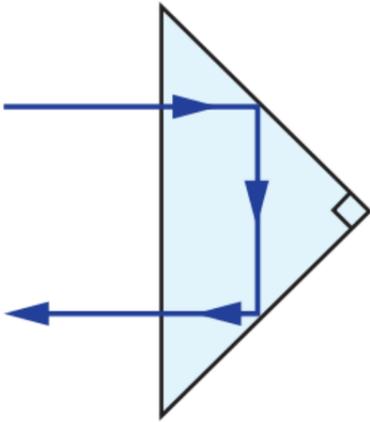
Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement.

## Technical Information

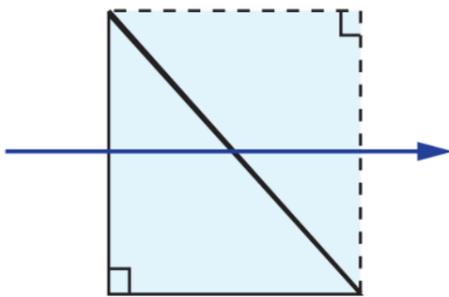




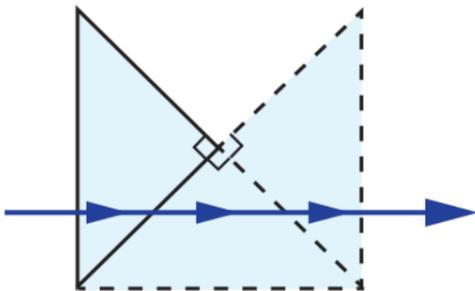
*Right Angle Prism Ray Path*



*Right Angle Prism Ray Path*



*Right Angle Prism Tunnel Diagram*



*Right Angle Prism Tunnel Diagram*

## Coating Curves

### 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](#).