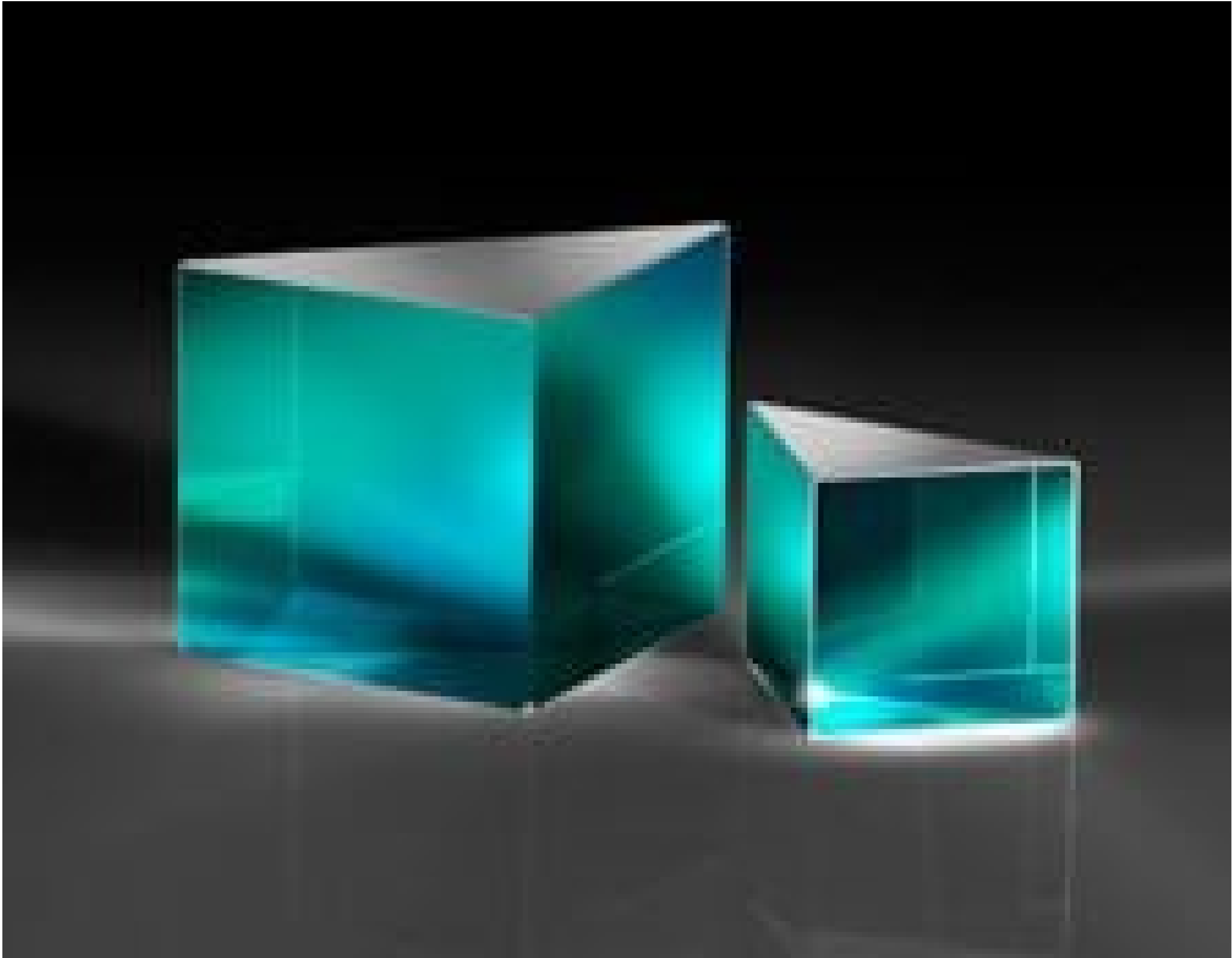


TECHSPEC<sup>®</sup> 15mm VIS-NIR Coated, BBAR Coated Right Angle Prism



Stock **#84-516** 15 In Stock

-

1

+

C\$176<sup>.40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$176.40 each                |
| Qty 6-25       | C\$141.40 each                |
| Qty 26-49      | C\$135.10 each                |
| Need More?     | <a href="#">Request Quote</a> |

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 (%):                 |
| 21.20                                                                                                                                                             | Length of Hypotenuse (mm):          |
| 15.00                                                                                                                                                             | Length of Legs (mm):                |
| Optical Properties                                                                                                                                                |                                     |
| ±15                                                                                                                                                               | Angle Tolerance (arcsec):           |
| VIS-NIR (400-1000nm)                                                                                                                                              | Coating:                            |
| N-BK7                                                                                                                                                             | Substrate: <input type="checkbox"/> |
| 40-20                                                                                                                                                             | Surface Quality:                    |
| Left-Handed                                                                                                                                                       | Image Orientation:                  |
| Coating Specification:<br>Entrance/Exit Faces: R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm |                                     |
| 90                                                                                                                                                                | Ray Deviation (°):                  |
| 400 - 1000                                                                                                                                                        | Wavelength Range (nm):              |
| Damage Threshold, By Design: <input type="checkbox"/><br>Entrance/Exit Faces: 5 J/cm <sup>2</sup> @ 532nm, 10ns                                                   |                                     |
| 1.25                                                                                                                                                              | Power (fringes) @ 632.8nm:          |
| 0.25                                                                                                                                                              | Irregularity (fringes) @ 632.8nm:   |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

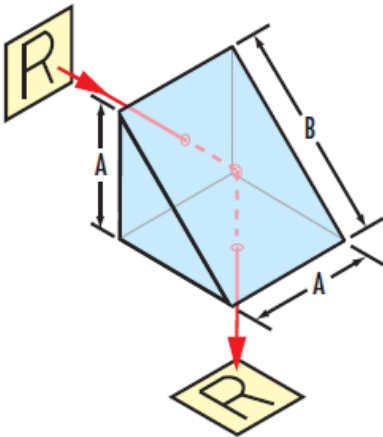
## Product Details

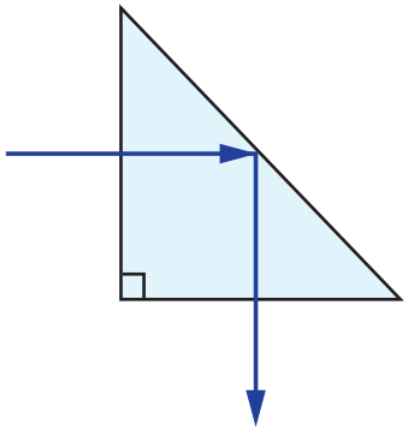
- Ideal for Low Power Laser Sources
- Multiple BBAR Coatings Available
- RayDeviation of 90°

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.

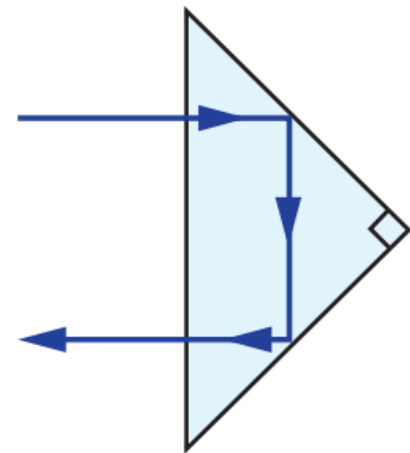
Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement.

## Technical Information

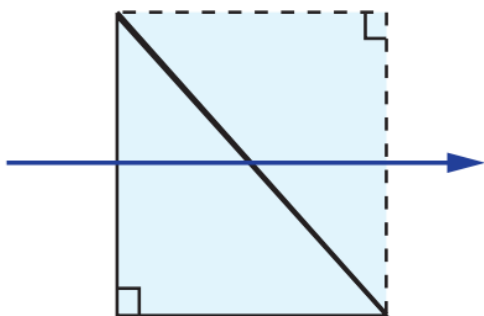




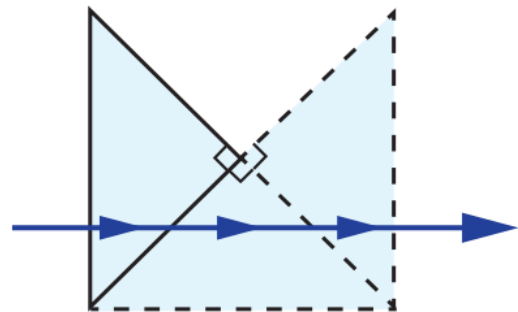
Right Angle Prism Ray Path



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](#).