

TECHSPEC<sup>®</sup> 30mm VIS-NIR Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock #84-519 20+ In Stock

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₹14,670

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹14,670 each                  |
| Qty 6-25       | ₹11,790 each                  |
| Qty 26-49      | ₹11,070 each                  |
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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 (%):                 |
| 42.40                                                                                                                                                             | Length of Hypotenuse (mm):          |
| 30.00                                                                                                                                                             | 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:                          |
| Singapore                                                                                                                                                         | Country of Origin:                  |
| Edmund Optics India Private Limited                                                                                                                               | Imported By:                        |

## 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](#).

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