

TECHSPEC<sup>®</sup> 0.7mm, Aluminum Coated, N-BK7 Right Angle Prism



N-BK7 Right Angle Prisms

Stock **#66-773** 20+ In Stock

-

1

+

€125<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €125,00 each                  |
| Qty 6-25       | €100,00 each                  |
| Qty 26-49      | €94,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Right Angle Prism

Type:

Physical & Mechanical Properties

±0.02

Dimensional Tolerance (mm):

Bevel:

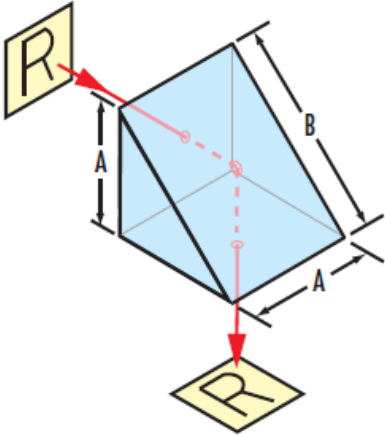
|                                                                     |                            |
|---------------------------------------------------------------------|----------------------------|
| Protective as needed                                                |                            |
| 1.00                                                                | Length of Hypotenuse (mm): |
|                                                                     | Length of Legs (mm):       |
| 0.70                                                                |                            |
| Optical Properties                                                  |                            |
| Coating:                                                            |                            |
| Aluminum with protective overcoat                                   |                            |
| Substrate: <input type="checkbox"/>                                 |                            |
| N-BK7                                                               |                            |
| Surface Quality:                                                    |                            |
| 20-10                                                               |                            |
| Angle Tolerance (arcmin):                                           |                            |
| ±2                                                                  |                            |
| Image Orientation:                                                  |                            |
| Left-Handed                                                         |                            |
| Coating Specification:                                              |                            |
| Reflective Surfaces: R <sub>avg</sub> >85% FROM400-700nm, @ 45° AOI |                            |
| Ray Deviation (°):                                                  |                            |
| 90                                                                  |                            |
| Wavelength Range (nm):                                              |                            |
| 400 - 700                                                           |                            |
| Damage Threshold, By Design: <input type="checkbox"/>               |                            |
| Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns            |                            |
| Power (fringes) @ 632.8nm:                                          |                            |
| 1.25                                                                |                            |
| Irregularity (fringes) @ 632.8nm:                                   |                            |
| 0.50                                                                |                            |

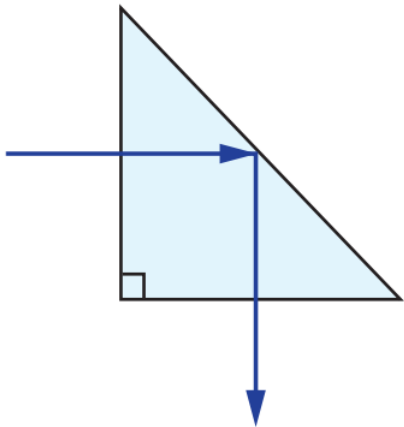
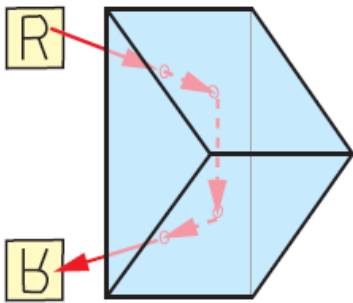
|                             |  |
|-----------------------------|--|
| Regulatory Compliance       |  |
| RoHS 2015:                  |  |
| Compliant                   |  |
| Reach 209:                  |  |
| Compliant                   |  |
| Certificate of Conformance: |  |
| View                        |  |

## Product Details

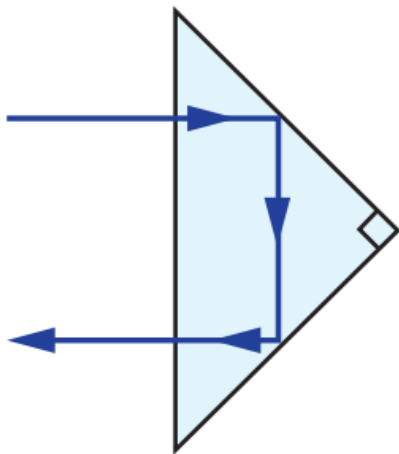
- Ray Deviation of 90°
  - Left Handed Image
  - Available with Aluminized and AR Coated Faces
  - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® N-BK7 Right Angle Prisms are made from precision N-BK7 for use in a variety of visible light applications. Right angle prisms are generally 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. TECHSPEC® N-BK7 Right Angle Prisms can also be used in combination for image/beam displacement. These right-angle prisms are additionally offered with aluminized and AR Coated surfaces.

## Technical Information

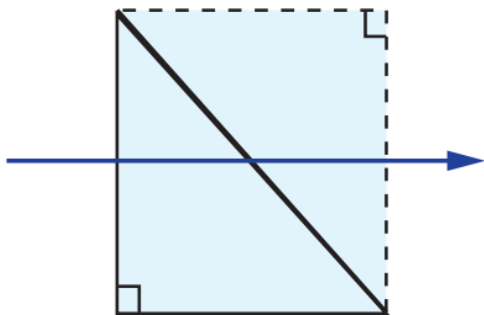




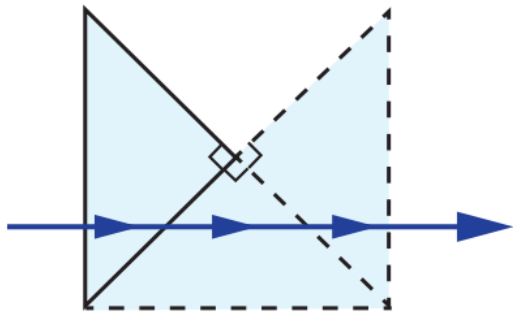
Right Angle Prism Ray Path



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](#).