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TECHSPEC<sup>®</sup>

0.18mm, Aluminum Coated, N-BK7 Right Angle Prism



N-BK7 Right Angle Prisms

Stock **#66-768** **4 In Stock**

-

1

+

£123<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £123.20 each                  |
| Qty 6-25       | £98.40 each                   |
| Qty 26-49      | £92.80 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**i** 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                                                |                                                       |
| 0.30                                                                | Length of Hypotenuse (mm):                            |
| 0.18                                                                | Length of Legs (mm):                                  |
| Optical Properties                                                  |                                                       |
| Aluminum with protective overcoat                                   | Coating:                                              |
| N-BK7                                                               | Substrate: <input type="checkbox"/>                   |
| 20-10                                                               | Surface Quality:                                      |
| ±2                                                                  | Angle Tolerance (arcmin):                             |
| Left-Handed                                                         | Image Orientation:                                    |
| Reflective Surfaces: R <sub>avg</sub> >85% FROM400-700nm, @ 45° AOI | Coating Specification:                                |
| 90                                                                  | Ray Deviation (°):                                    |
| 400 - 700                                                           | Wavelength Range (nm):                                |
| Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns            | Damage Threshold, By Design: <input type="checkbox"/> |
| 1.25                                                                | Power (fringes) @ 632.8nm:                            |
| 0.50                                                                | Irregularity (fringes) @ 632.8nm:                     |

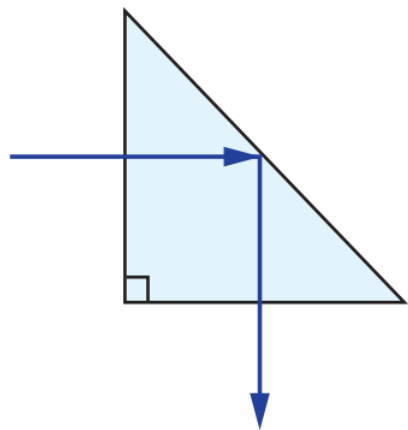
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 209:                  |
| View              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

## Product Details

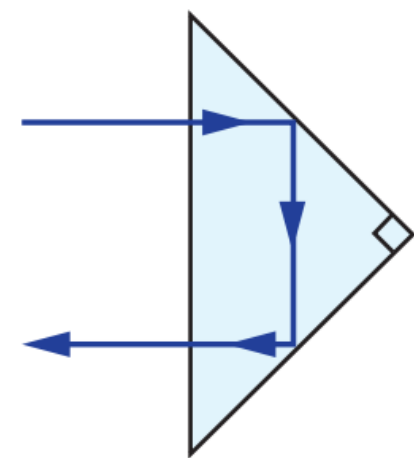
- Ray Deviation of 90°
  - Left Handed Image
  - Available with Aluminized and AR Coated Faces
  - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® N-BK7 Right Angle Prisms are made from precision N-BK7 for use in a variety of visible light applications. Right angle prisms are generally 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





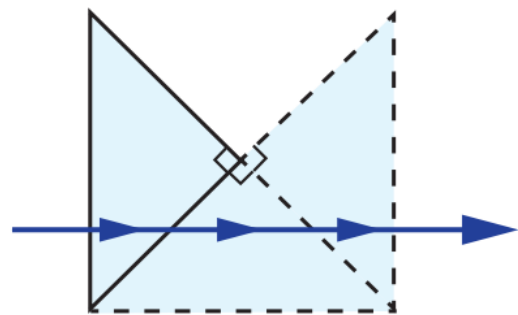
Right Angle Prism Ray Path



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](#).