

TECHSPEC<sup>®</sup> 2mm, Alum. & AR Coated, N-SF11 Micro Right Angle Prism



N-SF11 Right Angle Prisms

Stock **#47-922** [CONTACT US](#)

-

1

+

€176<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €176,00 each                  |
| Qty 6-25       | €159,00 each                  |
| Qty 26-49      | €141,00 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

±0.05

Dimensional Tolerance (mm):

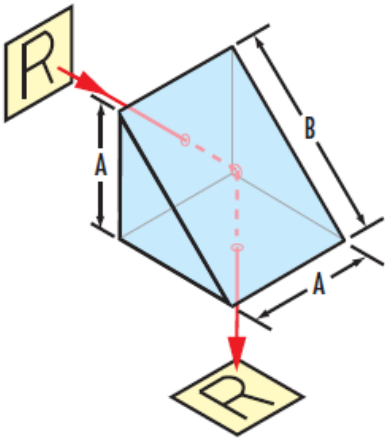
Bevel:

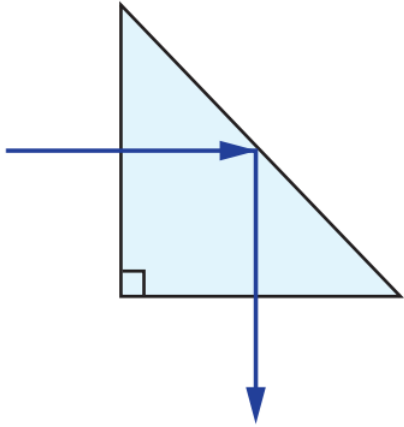
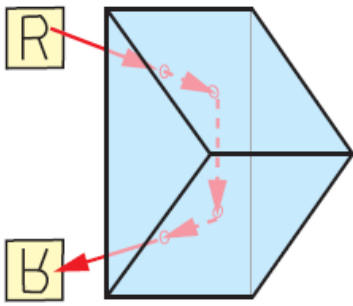
|                                                                                                                                                               |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Protective as needed                                                                                                                                          |                                     |
| 2.80                                                                                                                                                          | Length of Hypotenuse (mm):          |
| 2.00                                                                                                                                                          | Length of Legs (mm):                |
| Optical Properties                                                                                                                                            |                                     |
| MgF <sub>2</sub> & Aluminized                                                                                                                                 | Coating:                            |
| N-SF11                                                                                                                                                        | Substrate: <input type="checkbox"/> |
| 20-10                                                                                                                                                         | Surface Quality:                    |
| ±2                                                                                                                                                            | Angle Tolerance (arcmin):           |
| Left-Handed                                                                                                                                                   | Image Orientation:                  |
| Coating Specification:<br>Legs: R <sub>avg</sub> ≤1.75% @ 400 - 700nm<br>Hypotenuse: R <sub>avg</sub> >85% @ 400 - 700nm w/Black Overpaint                    |                                     |
| 90                                                                                                                                                            | Ray Deviation (°):                  |
| 400 - 700                                                                                                                                                     | Wavelength Range (nm):              |
| Damage Threshold, By Design: <input type="checkbox"/><br>Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns<br>Legs: 10 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

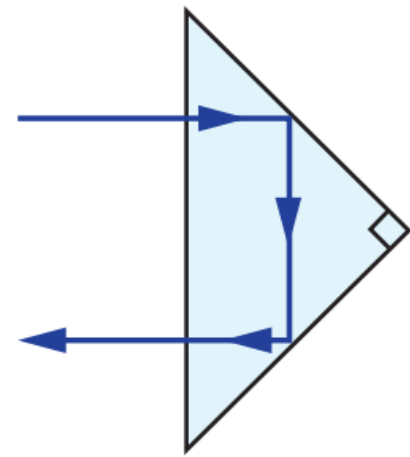
- Ray Deviation of 90°
  - Left Handed Image
  - High Refractive Index Material
  - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® N-SF11 Right Angle Prisms are made from high index N-SF11. Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces 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. TECHSPEC® N-SF11 Right Angle Prisms have a high refractive index that increases the optical path length, thus reducing physical working distance requirements. These lenses are available uncoated or with an aluminized hypotenuse and anti-reflection coated faces.

## Technical Information

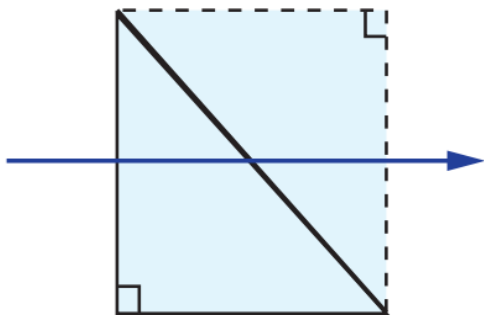




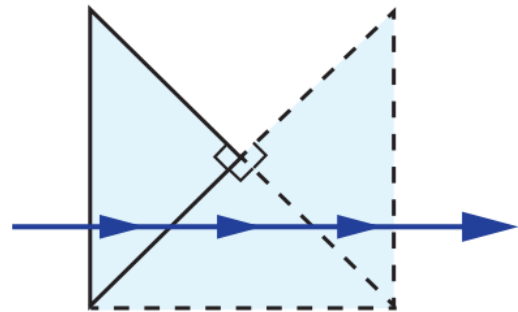
Right Angle Prism Ray Path



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](#).