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TECHSPEC® 4mm, Alum. & AR Coated, N-SF11 Micro Right Angle Prism



N-SF11 Right Angle Prisms

Stock **#47-924** **20+ In Stock**

⊖ 1 ⊕ €132.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€132,00 each
Qty 6-25	€119,00 each
Qty 26-49	€105,00 each
Need More?	Request Quote

ⓘ 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

Length of Hypotenuse (mm):

5.70

Length of Legs (mm):

4.00

Optical Properties

Coating:
MgF₂ & Aluminized

Substrate:
N-SF11

Surface Quality:
20-10

Angle Tolerance (arcmin):
±2

Image Orientation:
Left-Handed

Coating Specification:
Legs: R_{avg} ≤ 1.75% @ 400 - 700nm
Hypotenuse: R_{avg} > 85% @ 400 - 700nm w/Black
Overpaint

Ray Deviation (°):
90

Wavelength Range (nm):
400 - 700

Damage Threshold, By Design:
Hypotenuse: 0.3 J/cm² @ 532nm & 1064nm, 10ns
Legs: 10 J/cm² @ 532nm, 10ns

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

Certificate of Conformance:
[View](#)

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

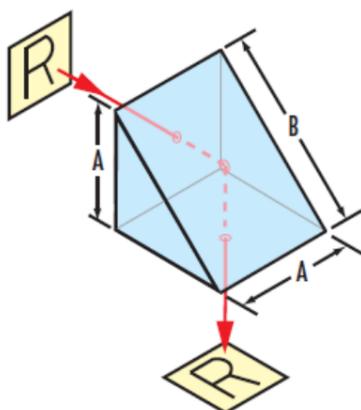
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

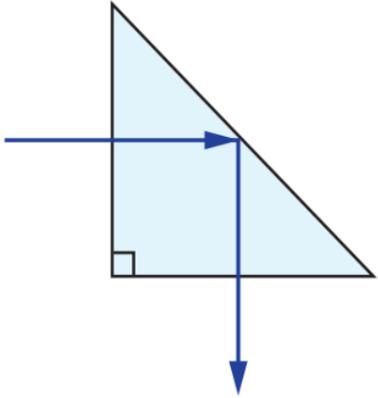
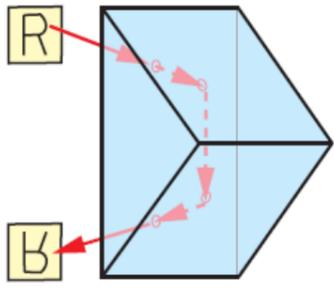
Product Details

- Ray Deviation of 90°
- Left Handed Image
- High Refractive Index Material
- Additional [Right Angle Prism](#) Options Available

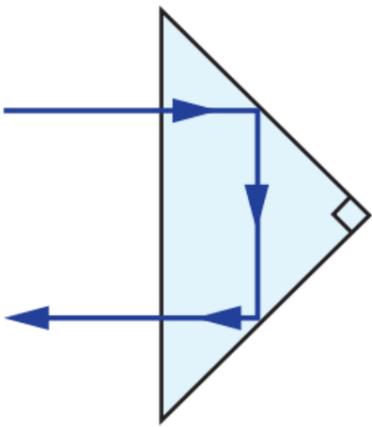
TECHSPEC® N-SF11 Right Angle Prisms are made from high index N-SF11. Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image, and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also 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

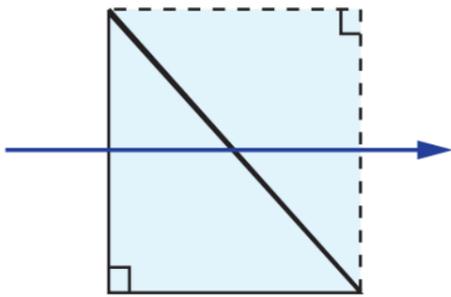




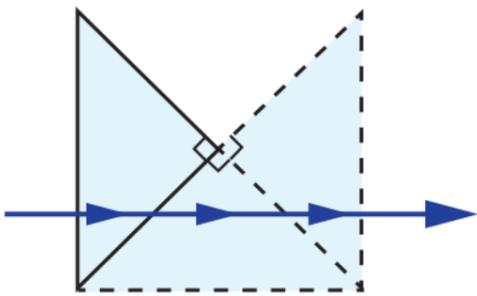
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram