

TECHSPEC® 0.3mm, Aluminum Coated, N-BK7 Right Angle Prism



N-BK7 Right Angle Prisms

Stock #66-770 20+ In Stock

1 £104.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | £104.00 each |
| Qty 6-25 | £83.20 each |
| Qty 26-49 | £77.60 each |
| Need More? | Request Quote |

Prices shown are exclusive of VAT/local taxes

| Product Downloads | |
|-------------------|------------------------------|
| STEP:step | Curve:pdf |
| PDF Drawing:pdf | IGES:igs |
| eDrawing:eprt | |
| EO Spec Sheet | Download All |

General

Type: Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm): ±0.02

Bevel: Protective as needed

Length of Hypotenuse (mm): 0.40

Length of Legs (mm): 0.30

Optical Properties

Coating: Aluminum with protective overcoat

Substrate: [N-BK7](#)

Surface Quality: 20-10

Angle Tolerance (arcmin): ±2

Image Orientation: Left-Handed

Coating Specification: Reflective Surfaces: R_{avg}>85% FROM 400-700nm, @ 45° AOI

Ray Deviation (°): 90

Wavelength Range (nm): 400 - 700

Damage Threshold, By Design: Hypotenuse: 0.3 J/cm² @ 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**

Need different specs or modifications?

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
- 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

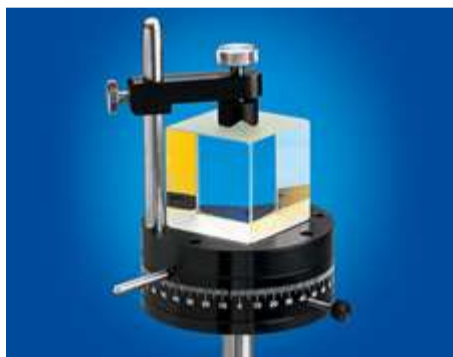
Right Angle Prism Ray Path

Right Angle Prism Ray Path

Right Angle Prism Tunnel Diagram

Right Angle Prism Tunnel Diagram

Related Products



English Prism Mounts



Metric Prism Mounts



PUROSOL™ Optical Cleaner



High Tolerance N-BK7 Right Angle Prisms

Frequently Purchased Together



#36-429 - 1 oz. Bottle Set of 6
Norland Optical Adhesives (NOA
60 - NOA 81)
£177.60

Qty



#45-946 - 0.5mm, Uncoated, N-BK7
Right Angle Prism
£91.20

Qty



#46-115 - 0.30mm Diameter,
Sapphire Ball Lens
£22.60

Qty



#47-628 - 1mm Diameter 45° Rod
Mirror Aluminum Coated
£130.40

Qty

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

APPLICATION NOTE

Anti-Reflection
(AR) Coatings

APPLICATION NOTE

An
Introduction to
Optical
Coatings

VIDEO

Optical Prisms
Review

FAQ

I'd like to
adhere two
prisms
together. ho...

GLOSSARY

Dove Prism

GLOSSARY

Equilateral
(Dispersing)
Prism

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