

TECHSPEC®

3mm Enhanced Aluminum, N-BK7 Right Angle Prism Mirrors (Hypotenuse Coated)



Stock #49-405 **20+ In Stock**

⊖ 1 ⊕ €89.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€89,00 each
Qty 6-25	€72,00 each
Qty 26-49	€66,50 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Right Angle Mirror **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

Clear Aperture CA (mm):

3.82 x 2.70

Dimensional Tolerance (mm):

±0.1

Length of Hypotenuse (mm):

4.20

Length of Legs (mm):

3.00

Optical Properties

Wavelength Range (µm):

0.45 - 0.65

Coating Type:

Metal

Coating:

Enhanced Aluminum (450-650nm)

Wavelength Range (nm):

450 - 650

Substrate:

N-BK7

Angle Tolerance (arcmin):

±2

Coating Specification:

R_{avg} >95% @ 450 - 650nm

Surface Quality:

20-10

Damage Threshold, Reference:

0.2 J/cm² @ 532nm, 10ns

Power (fringes) @ 632.8nm:

1.25

Irregularity (fringes) @ 632.8nm:

0.50

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 253:

Compliant

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

- Reflects Light at 90°
- Ideal for System Alignment
- Enhanced Aluminum, Protected Gold, and Protected Silver Coatings

TECHSPEC® Right Angle Prism Mirrors (Hypotenuse Coated) are available with enhanced aluminum, protected gold, or protected silver coatings. These coatings allow for improved handling of the component, increased durability of the metal coating, and protection from oxidation with little impact on the performance of the metal coating. The mirrors are designed with an N-BK7 substrate. Right angle mirrors reflect incident light at 90°, are easily mounted, and are crucial in many optical systems. TECHSPEC® Right Angle Prism Mirrors (Hypotenuse Coated) are ideal for applications requiring precision alignment and high performance.

Technical Information



Coating Curves
