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TECHSPEC® 50mm, 400 - 750nm Dielectric, N-BK7 Right Angle Mirror (Legs Coated)



Broadband Dielectric 90° Specialty Mirrors

Stock #26-456 [CONTACT US](#)

⊖ 1 ⊕ **\$754⁰⁰**

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | \$754.60 each |
| Qty 6-25 | \$603.40 each |
| Qty 26-49 | \$567.00 each |
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Product Downloads

General

Right Angle Mirror **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

90.00 **Clear Aperture (%):**

±0.1 Dimensional Tolerance (mm):

70.70 Length of Hypotenuse (mm):

50.00 Length of Legs (mm):

Optical Properties

±2 Angle Tolerance (arcmin):

Dielectric Mirror (400 - 750nm) Coating:

Legs - $R_{avg} \geq 98\%$ @ 400 - 750nm (0 - 45°)
 $R_{avg} \geq 99\%$ @ 400 - 750nm (0°) Coating Specification:

90.00 Ray Deviation (°):

N-BK7 Substrate:

40-20 Surface Quality:

400 - 750 Wavelength Range (nm):

Left-Handed Image Orientation:

1.25 Power (fringes) @ 632.8nm:

0.50 Irregularity (fringes) @ 632.8nm:

Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

Compliant Reach 235:

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

- Splits Input Image into Two Paths Separated by 180°
- >99% Average Reflectivity Over 400 – 750nm
- Additional [Right Angle Prism](#) and [90° Specialty Mirror](#) Options Available

TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Legs Coated) are constructed from right angle prisms with a dielectric mirror coating on the two legs and an uncoated hypotenuse. The mirrored surfaces form a precise 90° angle, ideal for splitting an image from a single imaging lens onto two different cameras, or for combining two images onto a single camera. These mirrors are available in a range of sizes from 5 – 75mm and coated on an N-BK7 substrate. TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Legs Coated) feature greater than 99% reflectivity from 400 – 750nm, increasing system performance by decreasing energy loss compared to standard metal coated mirrors.

Technical Information

