

TECHSPEC[®] 50mm, 400 - 750nm Broadband Dielectric, N-BK7 90° Specialty Mirror



Broadband Dielectric 90° Specialty Mirrors

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

-

1

+

€539⁰⁰

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Volume Pricing	
Qty 1-5	€539,00 each
Qty 6-25	€431,00 each
Qty 26-49	€405,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Right Angle Mirror

Physical & Mechanical Properties

Bevel:
Protective as needed

Clear Aperture (%):

90.00	
±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} ≥98% @ 400 - 750nm (0 - 45°) R _{avg} ≥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

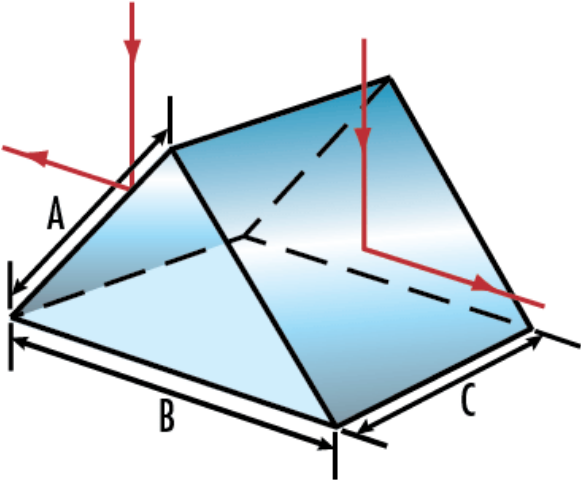
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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



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](#).
