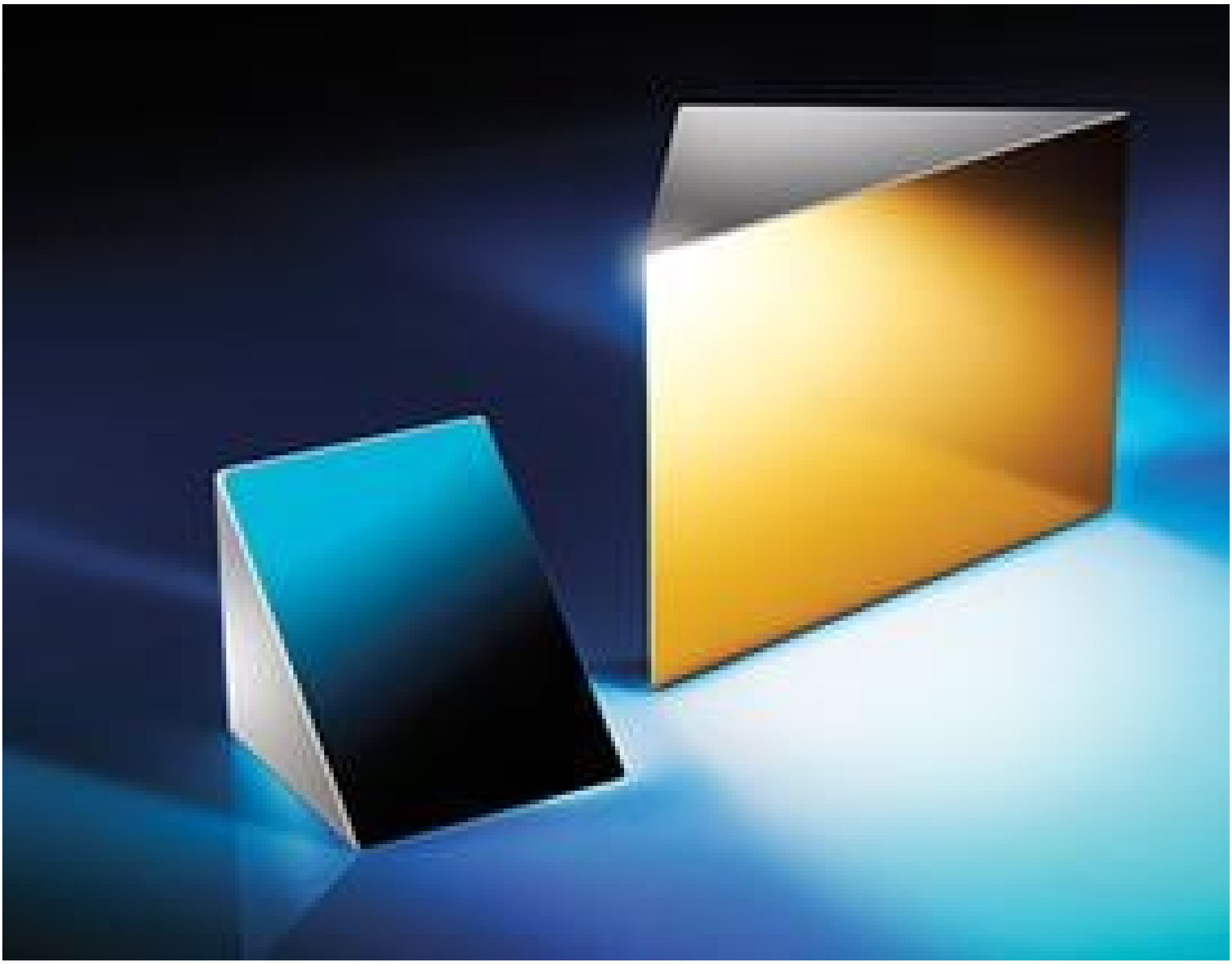
TECHSPEC 50mm Protected Gold Coated, N-BK7 Right Angle Mirror



Stock **#47-032** **5 In Stock**

- 1 +

₹24,912

ADD TO CART

Volume Pricing	
Qty 1-5	**₹24,912** each
Qty 6-25	**₹19,930** each
Qty 26-49	**₹18,684** each
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SPECIFICATIONS

General

Type:

Right Angle Mirror

Physical & Mechanical Properties

Length of Legs (mm):
50.00

Dimensional Tolerance (mm):
±0.1

Bevel:
Protective as needed

Clear Aperture CA (mm):
63.64 x 45.00

Length of Hypotenuse (mm):
70.70

Optical Properties

Substrate:
N-BK7

Surface Quality:
60-40

Coating Specification:
R_{avg} >96% @ 700 - 2000nm
R_{avg} >96% @ 2000 - 10,000nm

Coating:
Protected Gold (700-10000nm)

Coating Type:
Metal

Angle Tolerance (arcmin):
±2

Wavelength Range (µm):
0.7 - 10

Wavelength Range (nm):
700 - 10000

Damage Threshold, Reference:
0.8 J/cm^2 @ 1064nm, 10ns

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.50

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

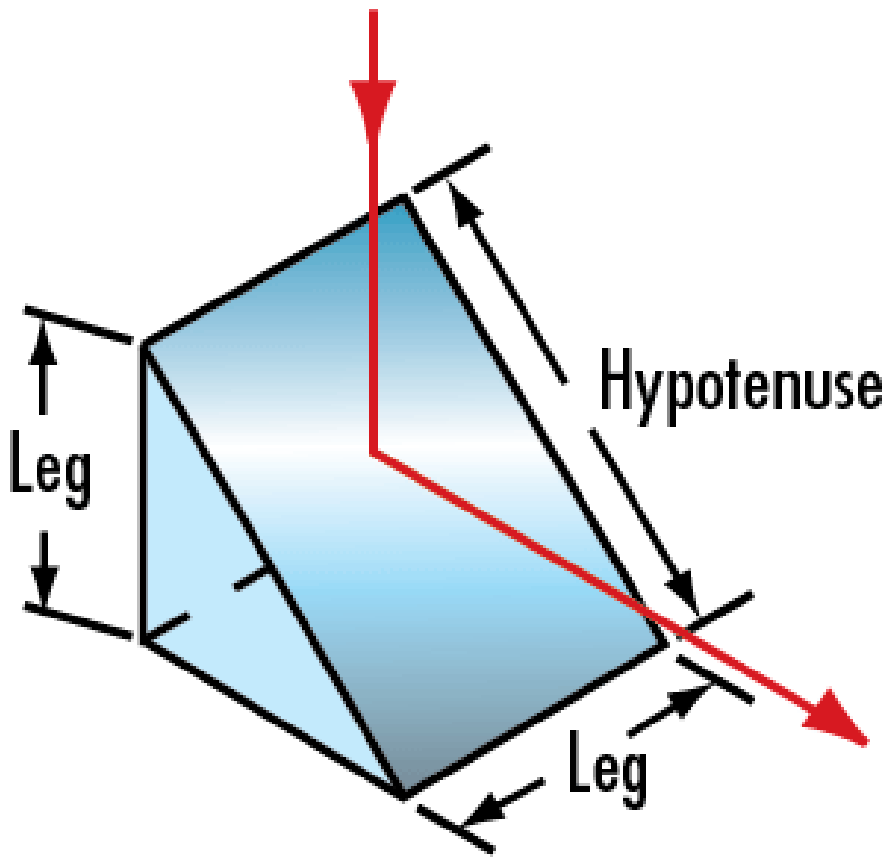
Reach 247:
Compliant

PRODUCT DETAILS

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

TECHSPEC® Right Angle Mirrors 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 Mirrors are ideal for applications requiring precision alignment and high performance.

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.**