

TECHSPEC® 75mm, Protected Gold, N-BK7 Right Angle Prism Mirror (Leg Coated)



Stock #47-310 **3 In Stock**

A\$881^{.60}

ADD TO CART

Volume Pricing	
Qty 1-5	A\$881.60 each
Qty 6-25	A\$705.60 each
Qty 26-49	A\$662.40 each
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General

Right Angle Mirror Type:

Physical & Mechanical Properties

73.5 Clear Aperture CA (mm):

±0.1 Dimensional Tolerance (mm):

Protective as needed **Bevel:**

90.00 **Clear Aperture (%):**

106.10 **Length of Hypotenuse (mm):**

75.00 **Length of Legs (mm):**

Optical Properties

Protected Gold (700-10000nm) **Coating:**

[N-BK7](#) **Substrate:**

40-20 **Surface Quality:**

±2 **Angle Tolerance (arcmin):**

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

700 - 10000 **Wavelength Range (nm):**

Metal **Coating Type:**

0.8 J/cm² @ 1064nm, 10ns **Damage Threshold, Reference:**

1.25 **Power (fringes) @ 632.8nm:**

0.50 **Irregularity (fringes) @ 632.8nm:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

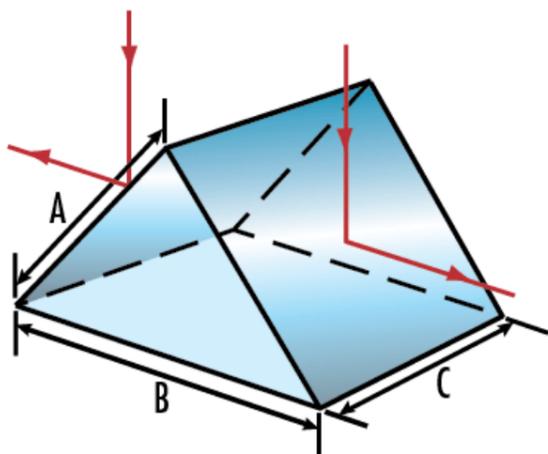
[Compliant](#) **Reach 247:**

Product Details

- Splits Input Image Into Two Paths Separated by 180°
- Variety of Sizes and Broadband Coatings Available
- Additional [Right Angle Prism](#) Options Available

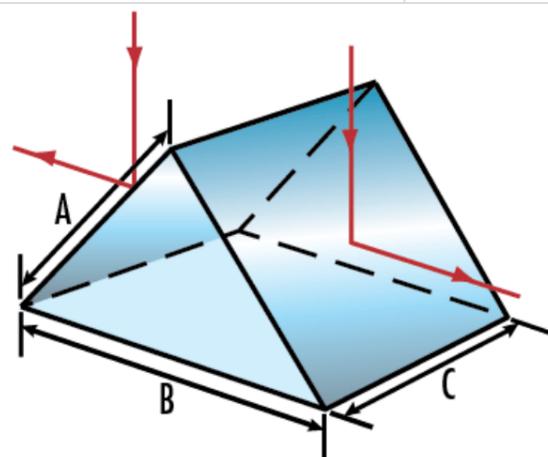
TECHSPEC® Right Angle Prism Mirrors (Leg Coated) are constructed from right angle prisms with a mirror coating on the two legs and an uncoated hypotenuse. The mirrored surfaces form a precise 90° angle, ideal for splitting an image from a single imaging lens onto two different cameras, or for combining two images onto a single camera.

Technical Information



Stock No.	Coating	A	B	C
#49-412	Enhanced Aluminum (450-650nm)	5mm	7.1mm	5mm

#65-847	Protected Gold (700-1000nm)			
#21-185	Protected Silver (450-1000nm)			
#47-004	Enhanced Aluminum (450-650nm)	10mm	14.1mm	10mm
#47-237	Protected Gold (700-1000nm)			
#21-186	Protected Silver (450-1000nm)			
#49-413	Enhanced Aluminum (450-650nm)	15mm	21.2mm	15mm
#65-848	Protected Gold (700-1000nm)			
#21-187	Protected Silver (450-1000nm)			
#49-414	Enhanced Aluminum (450-650nm)	20mm	28.3mm	20mm
#65-849	Protected Gold (700-1000nm)			
#21-188	Protected Silver (450-1000nm)			
#47-005	Enhanced Aluminum (450-650nm)	25mm	35.4mm	25mm
#47-238	Protected Gold (700-1000nm)			
#21-189	Protected Silver (450-1000nm)			
#47-006	Enhanced Aluminum (450-650nm)	50mm	70.7mm	50mm
#47-239	Protected Gold (700-1000nm)			
#21-190	Protected Silver (450-1000nm)			
#47-309	Enhanced Aluminum (450-650nm)	75mm	106.1mm	75mm
#47-310	Protected Gold (700-1000nm)			
#21-191	Protected Silver (450-1000nm)			



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](#).