

TECHSPEC[®] 50mm, Protected Gold Coated, N-BK7 90° Specialty Mirror



Stock **#47-239** 4 In Stock

-

1

+

€418¹⁸

ADD TO CART

Volume Pricing	
Qty 1-5	€418,18 each
Qty 6-25	€333,72 each
Qty 26-49	€313,12 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Right Angle Mirror

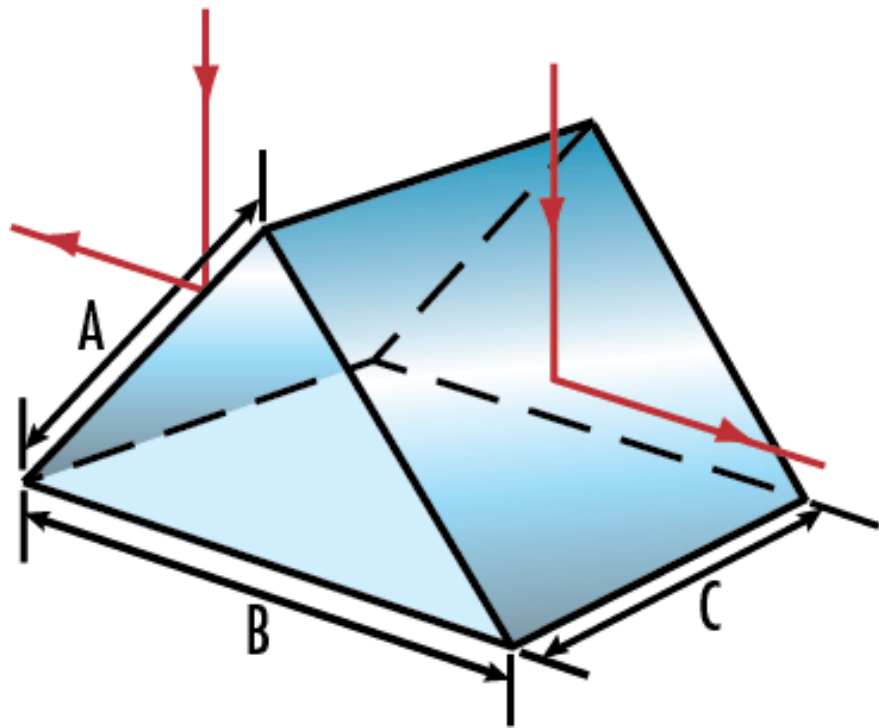
Type:

Physical & Mechanical Properties	
49.0	Clear Aperture CA (mm):
±0.1	Dimensional Tolerance (mm):
Protective as needed	Bevel:
90.00	Clear Aperture (%):
70.70	Length of Hypotenuse (mm):
50.00	Length of Legs (mm):
Optical Properties	
Protected Gold (700-10000nm)	Coating:
N-BK7	Substrate: ☐
40-20	Surface Quality:
±2	Angle Tolerance (arcmin):
R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Coating Specification:
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:

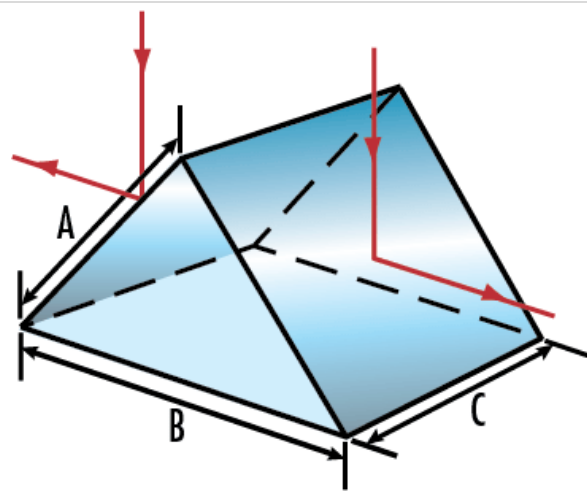
PRODUCT DETAILS

- Splits Input Image Into Two Paths Separated by 180°
 - Variety of Sizes and Broadband Coatings Available
 - Additional [Right Angle Prism](#) Options Available
- TECHSPEC® 90° Specialty Mirrors 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 (700-10000nm)			
#21-185	Protected Silver (450-10000nm)			
#47-004	Enhanced Aluminum (450-650nm)	10mm	14.1mm	10mm
#47-237	Protected Gold (700-10000nm)			
#21-186	Protected Silver (450-10000nm)			
#49-413	Enhanced Aluminum (450-650nm)	15mm	21.2mm	15mm
#65-848	Protected Gold (700-10000nm)			
#21-187	Protected Silver (450-10000nm)			
#49-414	Enhanced Aluminum (450-650nm)	20mm	28.3mm	20mm
#65-849	Protected Gold (700-10000nm)			
#21-188	Protected Silver (450-10000nm)			
#47-005	Enhanced Aluminum (450-650nm)	25mm	35.4mm	25mm
#47-238	Protected Gold (700-10000nm)			
#21-189	Protected Silver (450-10000nm)			
#47-006	Enhanced Aluminum (450-650nm)	50mm	70.7mm	50mm
#47-239	Protected Gold (700-10000nm)			
#21-190	Protected Silver (450-10000nm)			
#47-309	Enhanced Aluminum (450-650nm)	75mm	106.1mm	75mm
#47-310	Protected Gold (700-10000nm)			
#21-191	Protected Silver (450-10000nm)			



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](#).
