

TECHSPEC[®] 5mm, Enhanced Aluminum Coated, N-BK7 90° Specialty Mirror



Stock **#49-412** 5 In Stock

-

1

+

S\$167^{.27}

ADD TO CART

Volume Pricing	
Qty 1-5	S\$167.27 each
Qty 6-25	S\$133.67 each
Qty 26-49	S\$124.71 each
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SPECIFICATIONS

General

Type:
Right Angle Mirror

Physical & Mechanical Properties

4.6	Clear Aperture CA (mm):
±0.1	Dimensional Tolerance (mm):
Protective as needed	Bevel:
90.00	Clear Aperture (%):
7.10	Length of Hypotenuse (mm):
5.00	Length of Legs (mm):

Optical Properties

Enhanced Aluminum (450-650nm)	Coating:
N-BK7	Substrate: ☐
40-20	Surface Quality:
±2	Angle Tolerance (arcmin):
R _{avg} >95% @ 450 - 650nm	Coating Specification:
450 - 650	Wavelength Range (nm):
Metal	Coating Type:
0.2 J/cm ² @ 532nm, 10ns	Damage Threshold, Reference: ☐
1.25	Power (fringes) @ 632.8nm:
0.50	Irregularity (fringes) @ 632.8nm:

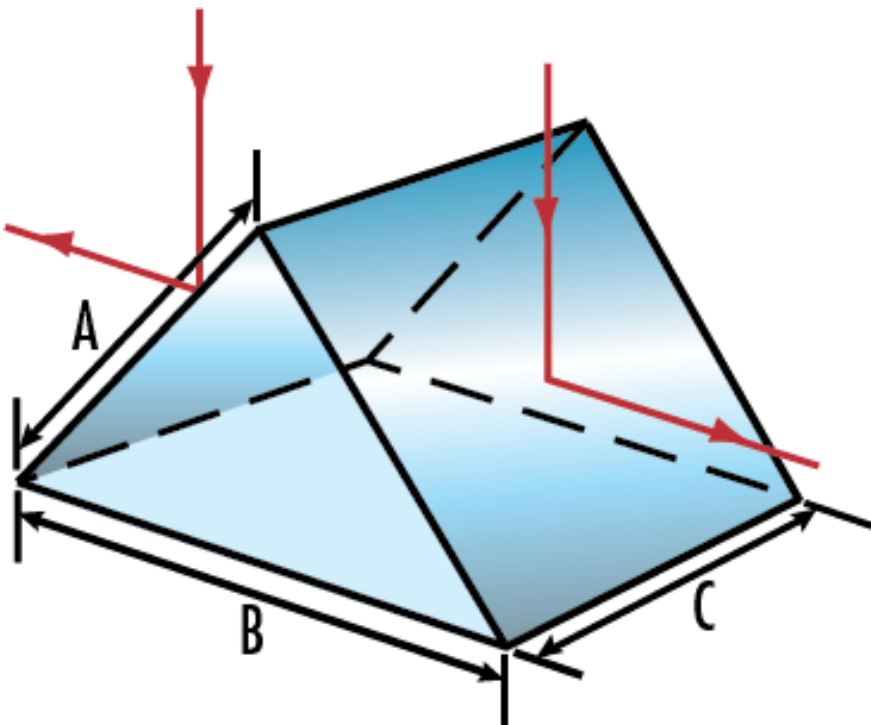
Regulatory Compliance

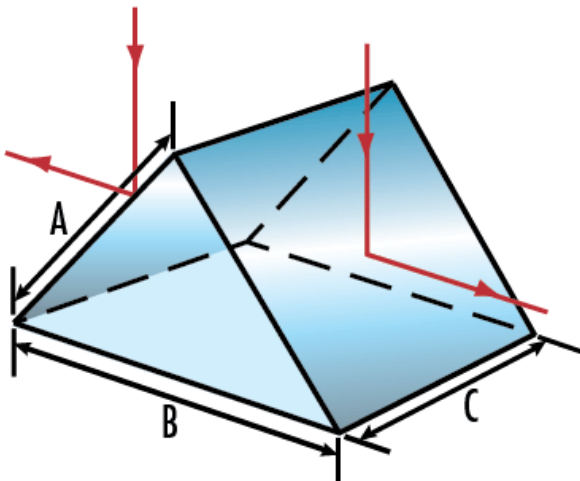
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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)			
				

COATING CURVES

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](#).
