

**TECHSPEC® 12.5mm, UV Enhanced Aluminum, N-BK7 90° Specialty Mirror**



Stock #25-708 **3 In Stock**

⊖ 1 ⊕ £116<sup>44</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£116.44 each
Qty 6-25	£92.80 each
Qty 26-49	£87.12 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Right Angle Mirror **Type:**

## Physical & Mechanical Properties

11.2 Clear Aperture CA (mm):

±0.1 Dimensional Tolerance (mm):

Protective as needed Bevel:

90.00 Clear Aperture (%):

17.70 Length of Hypotenuse (mm):

12.50 Length of Legs (mm):

## Optical Properties

Enhanced Aluminum (250-700nm) Coating:

N-BK7 Substrate:

40-20 Surface Quality:

±2 Angle Tolerance (arcmin):

Coating Specification:  
 $R_{avg} > 89\%$  @ 250 - 450nm  $R_{avg} > 85\%$  @ 250 - 700nm

250 - 700 Wavelength Range (nm):

Metal Coating Type:

0.5 J/cm<sup>2</sup> @ 355nm, 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:

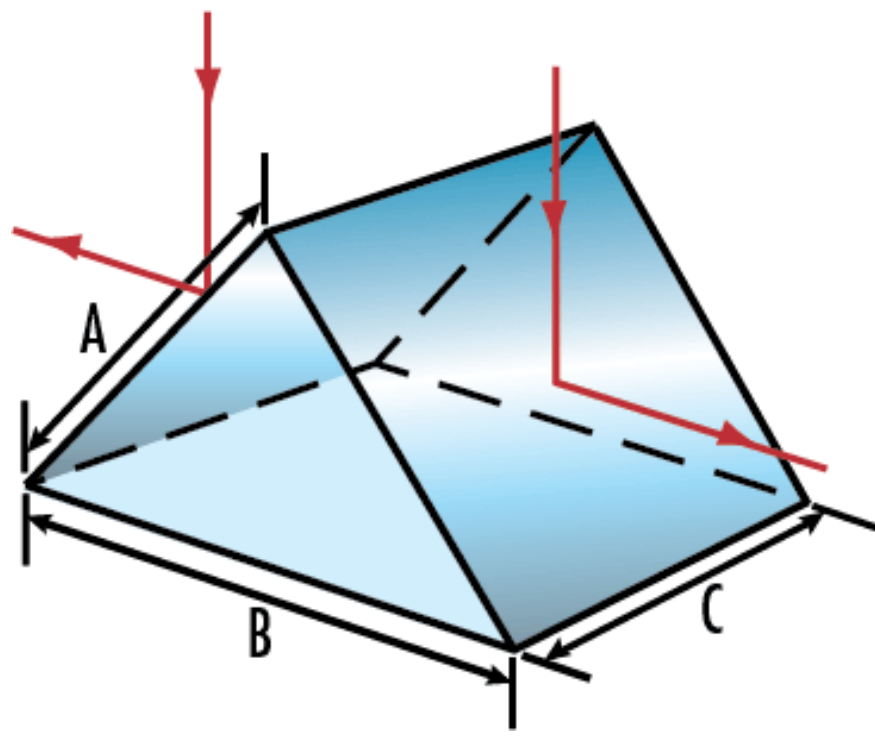
Compliant Reach 247:

## PRODUCT DETAILS

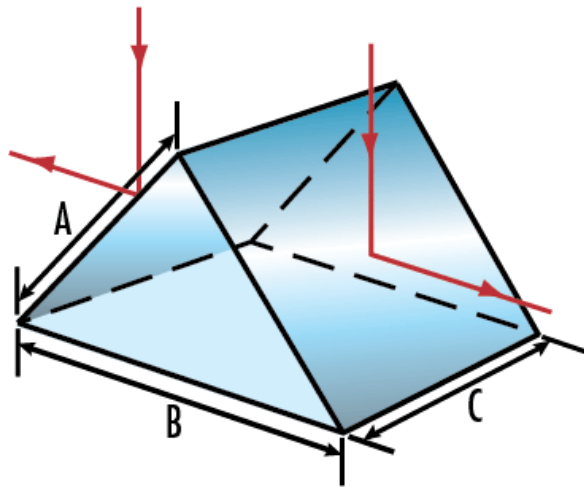
- Splits Input Image Into Two Paths Separated by 180°
- Variety of Sizes and Broadband Coatings Available
- Additional [Right Angle Prism](#) Options Available

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](#).

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