

TECHSPEC<sup>®</sup> 40mm, Protected Silver Coated, N-BK7 90° Specialty Mirror



Stock **#25-703** CLEARANCE **1 In Stock**

-

1

+

A\$505<sup>.94</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$505.94 each                |
| Qty 6-25       | A\$403.76 each                |
| Qty 26-49      | A\$379.04 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:  
Right Angle Mirror

Physical & Mechanical Properties

|                      |                             |
|----------------------|-----------------------------|
| 36.0                 | Clear Aperture CA (mm):     |
| ±0.1                 | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 90.00                | Clear Aperture (%):         |
| 56.60                | Length of Hypotenuse (mm):  |
| 40.00                | Length of Legs (mm):        |

Optical Properties

|                                                                                 |                                                       |
|---------------------------------------------------------------------------------|-------------------------------------------------------|
| Protected Silver (450-10000nm)                                                  | Coating:                                              |
| N-BK7                                                                           | Substrate: <input type="checkbox"/>                   |
| 40-20                                                                           | Surface Quality:                                      |
| ±2                                                                              | Angle Tolerance (arcmin):                             |
| R <sub>avg</sub> >98% @ 450 - 2000nm<br>R <sub>avg</sub> >98% @ 2000 - 10,000nm | Coating Specification:                                |
| 450 - 10000                                                                     | Wavelength Range (nm):                                |
| Metal                                                                           | Coating Type:                                         |
| 0.5 J/cm² @ 532nm & 1064nm, 10ns                                                | Damage Threshold, Reference: <input type="checkbox"/> |
| 1.25                                                                            | Power (fringes) @ 632.8nm:                            |
| 0.50                                                                            | Irregularity (fringes) @ 632.8nm:                     |

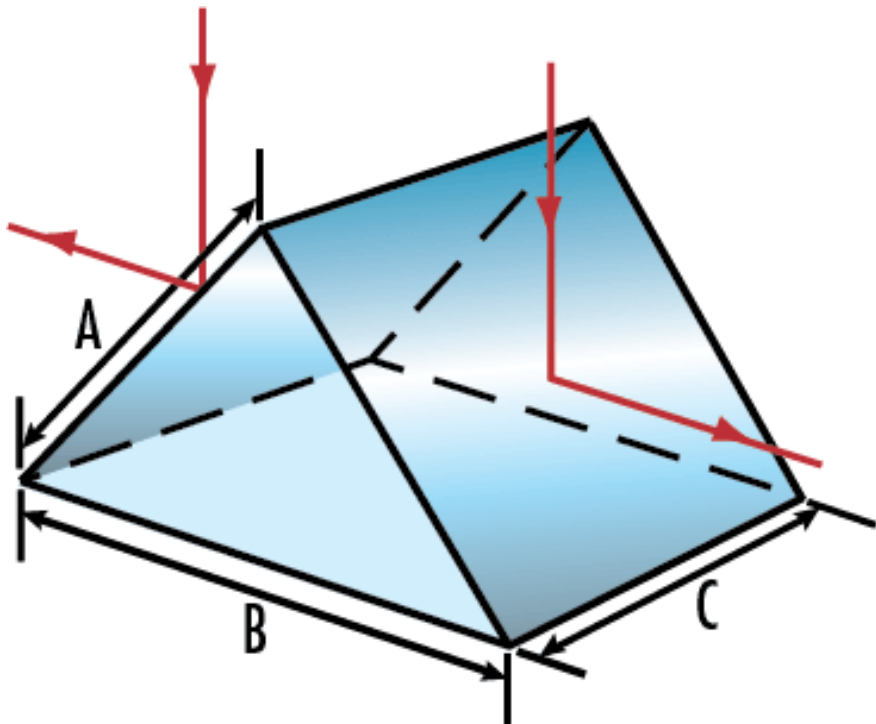
Regulatory Compliance

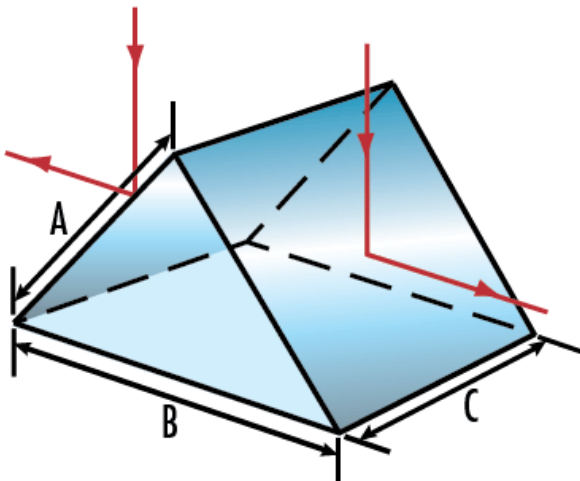
|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

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](#).

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