

TECHSPEC<sup>®</sup> 15mm, Protected Gold Coated, N-BK7 90° Specialty Mirror



Stock #65-848 12 In Stock

-

1

+

S\$243<sup>.60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$243.60 each                |
| Qty 6-25       | S\$194.60 each                |
| Qty 26-49      | S\$182.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Right Angle Mirror

Physical & Mechanical Properties

Clear Aperture CA (mm):  
13.5

Dimensional Tolerance (mm):  
±0.1

|                      |                            |
|----------------------|----------------------------|
| Protective as needed | Bevel:                     |
| 90.00                | Clear Aperture (%):        |
| 21.20                | Length of Hypotenuse (mm): |
| 15.00                | Length of Legs (mm):       |

Optical Properties

|                                                                                 |                                                       |
|---------------------------------------------------------------------------------|-------------------------------------------------------|
| Protected Gold (700-10000nm)                                                    | Coating:                                              |
| N-BK7                                                                           | Substrate: <input type="checkbox"/>                   |
| 40-20                                                                           | Surface Quality:                                      |
| ±2                                                                              | Angle Tolerance (arcmin):                             |
| R <sub>avg</sub> >96% @ 700 - 2000nm<br>R <sub>avg</sub> >96% @ 2000 - 10,000nm | Coating Specification:                                |
| 700 - 10000                                                                     | Wavelength Range (nm):                                |
| Metal                                                                           | Coating Type:                                         |
| 0.8 J/cm <sup>2</sup> @ 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

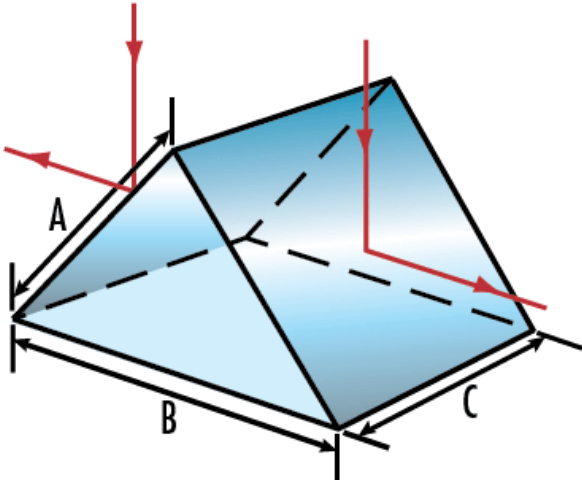
TECHSPEC® Right Angle Prism Mirrors (Leg Coated) are constructed from right angle prisms with a mirror coating on the two legs and an uncoated hypotenuse. The mirrored surfaces form a precise 90° angle, ideal for splitting an image from a single imaging lens onto two different cameras, or for combining 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 (700-10000nm)   |      |         |      |
| #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](#).