

TECHSPEC<sup>®</sup> 5mm, Enhanced Aluminum, N-BK7 Right Angle Prism Mirror (Leg Coated)



Stock **#49-412** [CONTACT US](#)

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+

₹8,719

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹8,719 each                   |
| Qty 6-25       | ₹6,968 each                   |
| Qty 26-49      | ₹6,500 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Right Angle Mirror

Type:

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: <input type="checkbox"/>                   |
| 40-20                               | Surface Quality:                                      |
| ±2                                  | Angle Tolerance (arcmin):                             |
| R <sub>avg</sub> >95% @450 - 650nm  | Coating Specification:                                |
| 450 - 650                           | Wavelength Range (nm):                                |
| Metal                               | Coating Type:                                         |
| 0.2 J/cm <sup>2</sup> @ 532nm, 10ns | Damage Threshold, Reference: <input type="checkbox"/> |
| 1.25                                | Power (fringes) @ 632.8nm:                            |
| 0.50                                | Irregularity (fringes) @ 632.8nm:                     |

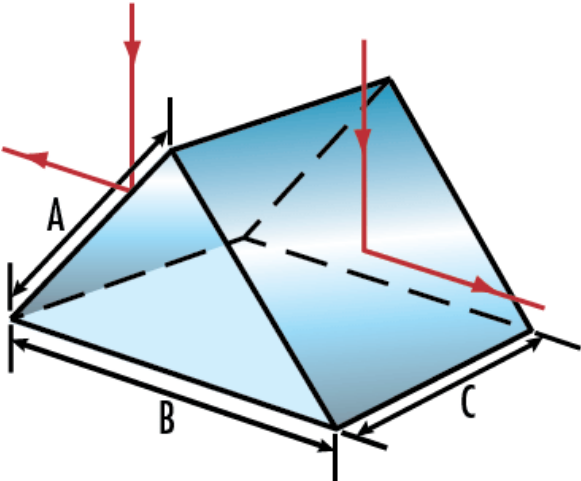
Regulatory Compliance

|                                     |                             |
|-------------------------------------|-----------------------------|
| Compliant                           | RoHS 2015:                  |
| View                                | Certificate of Conformance: |
| Compliant                           | Reach 247:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

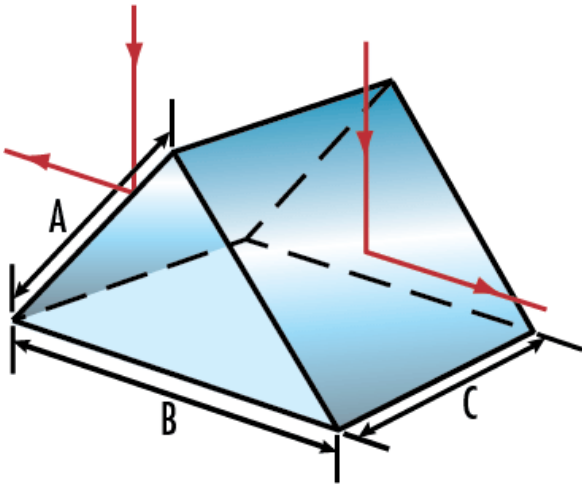
Product Details

- 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) |      |         |      |



## 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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