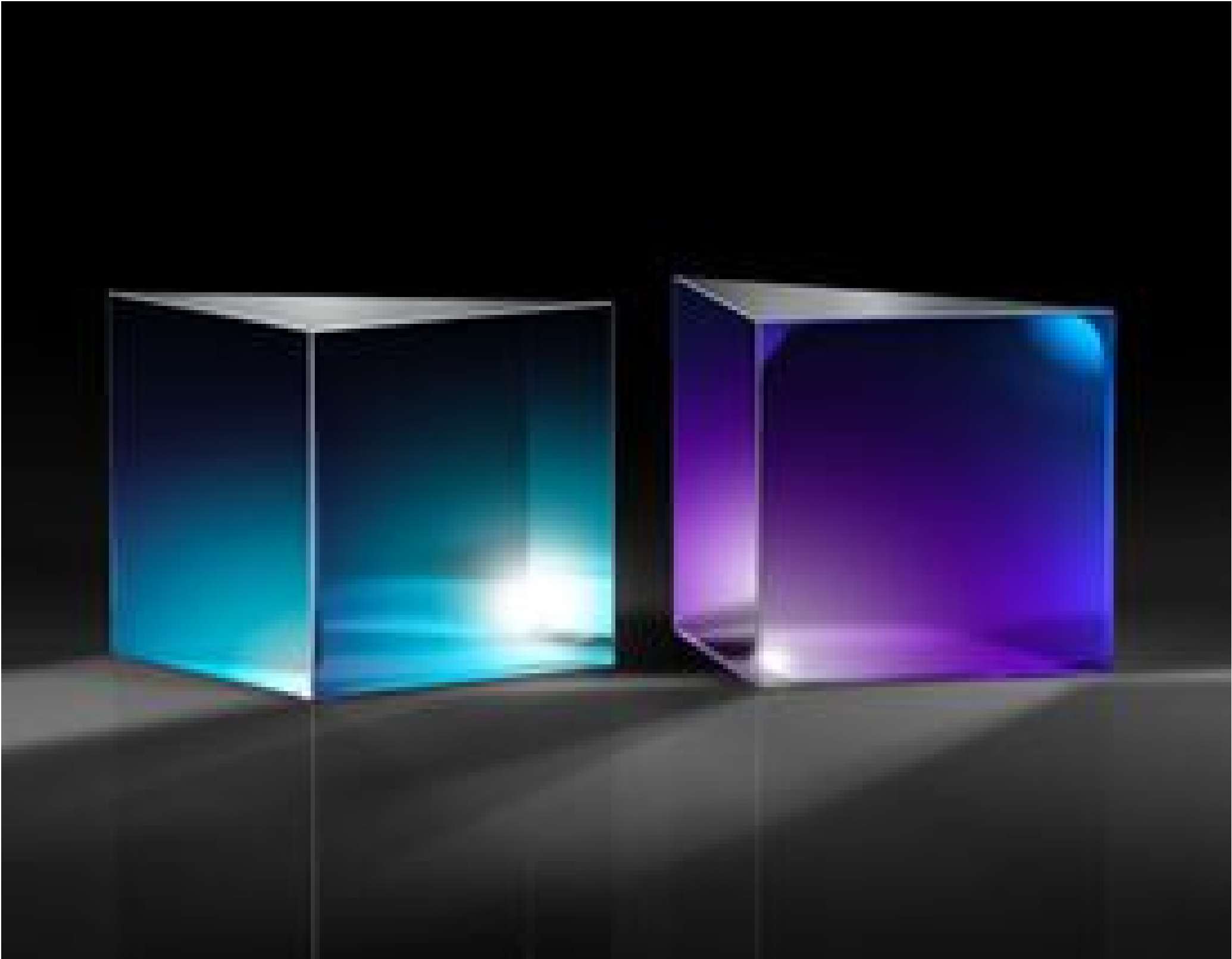


[See all 7 Products in Family](#)

TECHSPEC<sup>®</sup>

75mm, 400 - 750nm Broadband Dielectric, N-BK7 90° Specialty Mirror



Broadband Dielectric 90° Specialty Mirrors

Stock **#26-457** **3 In Stock**

-

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+

C\$1,260<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$1,260.00 each              |
| Qty 6-25       | C\$1,008.00 each              |
| Qty 26-49      | C\$945.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

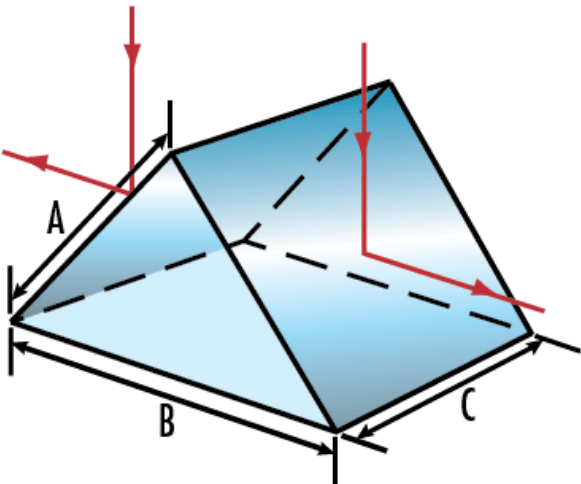
| General                          |                     |
|----------------------------------|---------------------|
| Right Angle Mirror               | Type:               |
| Physical & Mechanical Properties |                     |
| Protective as needed             | Bevel:              |
| 90.00                            | Clear Aperture (%): |

|                                                                                                  |                                     |
|--------------------------------------------------------------------------------------------------|-------------------------------------|
| ±0.1                                                                                             | Dimensional Tolerance (mm):         |
| 106.10                                                                                           | Length of Hypotenuse (mm):          |
| 75.00                                                                                            | Length of Legs (mm):                |
| Optical Properties                                                                               |                                     |
| ±2                                                                                               | Angle Tolerance (arcmin):           |
| Dielectric Mirror (400 - 750nm)                                                                  | Coating:                            |
| Legs - R <sub>avg</sub> ≥98% @ 400 - 750nm (0 - 45°)<br>R <sub>avg</sub> ≥99% @ 400 - 750nm (0°) | Coating Specification:              |
| 90.00                                                                                            | Ray Deviation (°):                  |
| N-BK7                                                                                            | Substrate: <input type="checkbox"/> |
| 40-20                                                                                            | Surface Quality:                    |
| 400 - 750                                                                                        | Wavelength Range (nm):              |
| Left-Handed                                                                                      | Image Orientation:                  |
| 1.25                                                                                             | Power (fringes) @ 632.8nm:          |
| 0.50                                                                                             | Irregularity (fringes) @ 632.8nm:   |
| Regulatory Compliance                                                                            |                                     |
| Compliant                                                                                        | RoHS 2015:                          |
| View                                                                                             | Certificate of Conformance:         |
| Compliant                                                                                        | Reach 235:                          |

## Product Details

- Splits Input Image into Two Paths Separated by 180°
  - >99% Average Reflectivity Over 400 – 750nm
  - Additional [Right Angle Prism](#) and [90° Specialty Mirror](#) Options Available
- TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Legs Coated) are constructed from right angle prisms with a dielectric 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. These mirrors are available in a range of sizes from 5 – 75mm and coated on an N-BK7 substrate. TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Legs Coated) feature greater than 99% reflectivity from 400 – 750nm, increasing system performance by decreasing energy loss compared to standard metal coated mirrors.

## Technical Information



## 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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