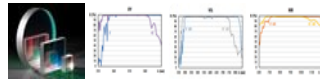
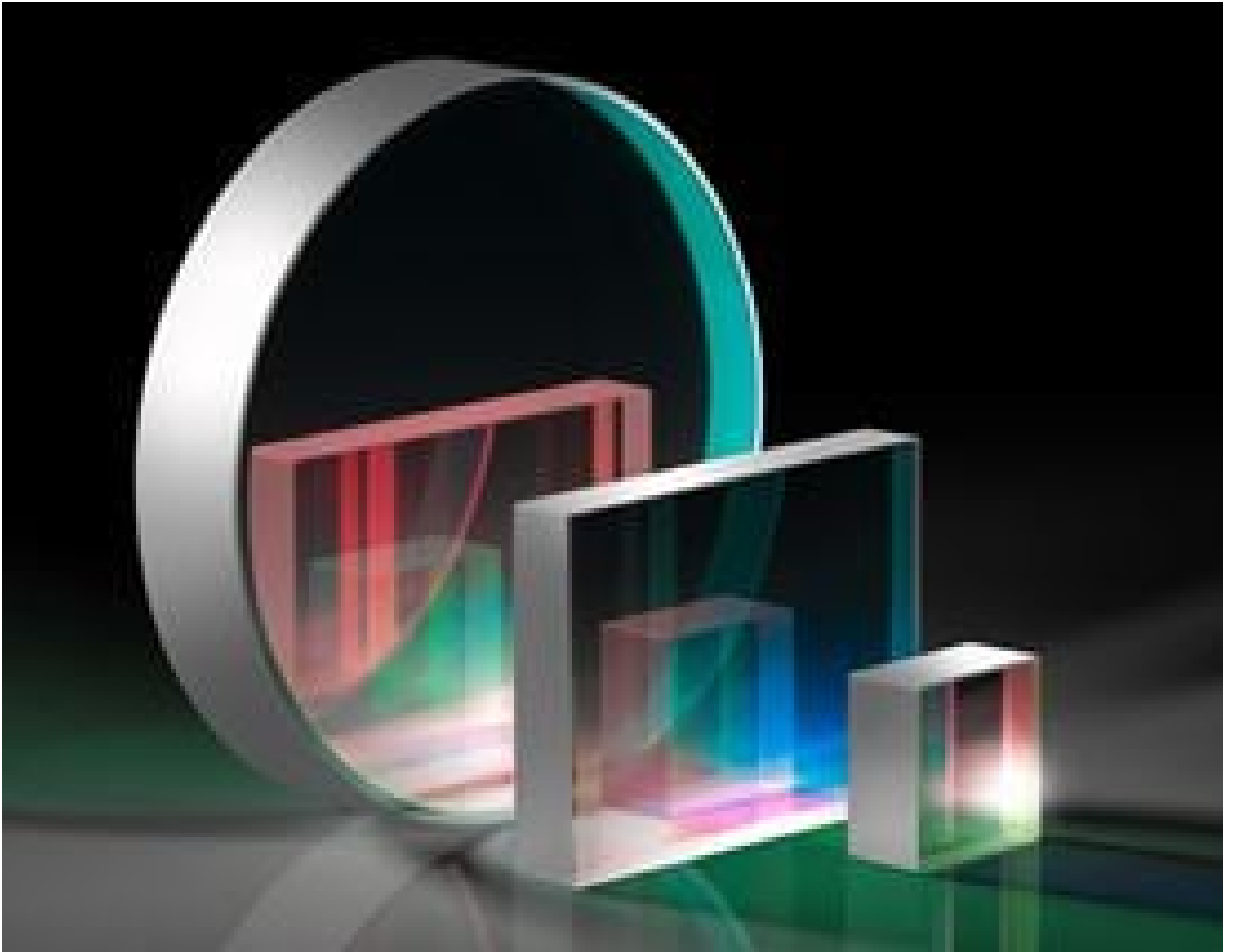


**TECHSPEC® 75mm Dia. 400 - 750nm Broadband  $\lambda/10$  Mirror**



Stock **#24-047** **3 In Stock**

⊖ 1 ⊕ **\$903.00**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$903.00</b> each
Qty 6-25	<b>\$721.00</b> each
Qty 26-49	<b>\$677.60</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**SPECIFICATIONS**

**General**

Flat Mirror **Type:**

## Physical & Mechanical Properties

75.00 +0.00/-0.20	<b>Diameter (mm):</b>
Commercial Polish	<b>Back Surface:</b>
90	<b>Clear Aperture (%):</b>
Ground, 0.5mm max bevel	<b>Edges:</b>
<3	<b>Parallelism (arcmin):</b>
7.50 ±0.20	<b>Thickness (mm):</b>

## Optical Properties

Dielectric Mirror (400-750nm)	<b>Coating:</b>
$R_{avg} >98\%$ @ 400 - 750nm (0 - 45°) $R_{avg} >99\%$ @ 400 - 750nm (0°)	<b>Coating Specification:</b>
400 - 750	<b>Wavelength Range (nm):</b>
$\lambda/10$	<b>Surface Flatness (P-V):</b>
<b>Fused Silica</b> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
Dielectric	<b>Coating Type:</b>
0-45	<b>Angle of Incidence (°):</b>
0.5 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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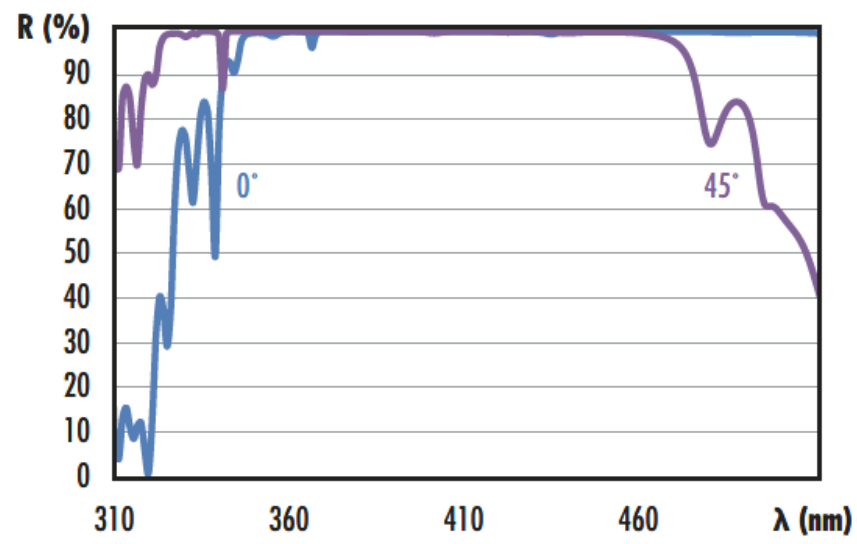
## PRODUCT DETAILS

- Enhanced Reflectivity and LIDT over Metallic Coatings
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Designed for all Polarization States from 0 – 45° AOI

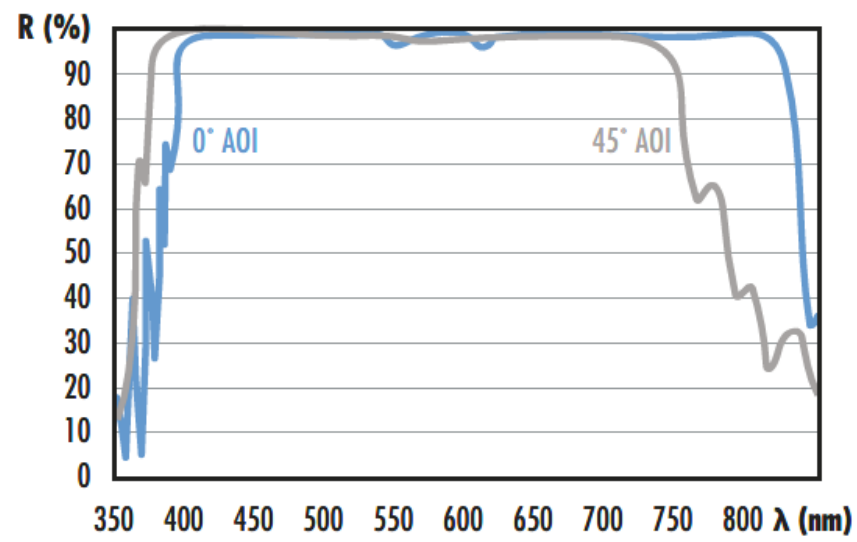
TECHSPEC® Broadband Dielectric  $\lambda/10$  Mirrors are ideal for beam steering or reflection applications utilizing multiple laser sources. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. The highly durable fused silica substrate offers a low thermal expansion coefficient and a high abrasion resistance. TECHSPEC® Broadband Dielectric  $\lambda/10$  Mirrors are designed for applications from the UV to the near-infrared spectra.

## TECHNICAL INFORMATION

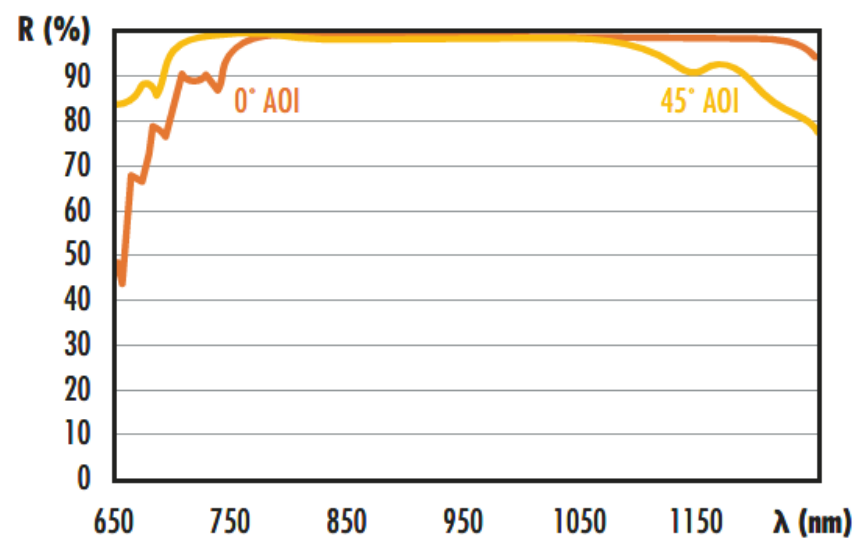
## UV



## VIS



## NIR



## 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](#).

## COMPATIBLE MOUNTS