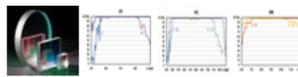
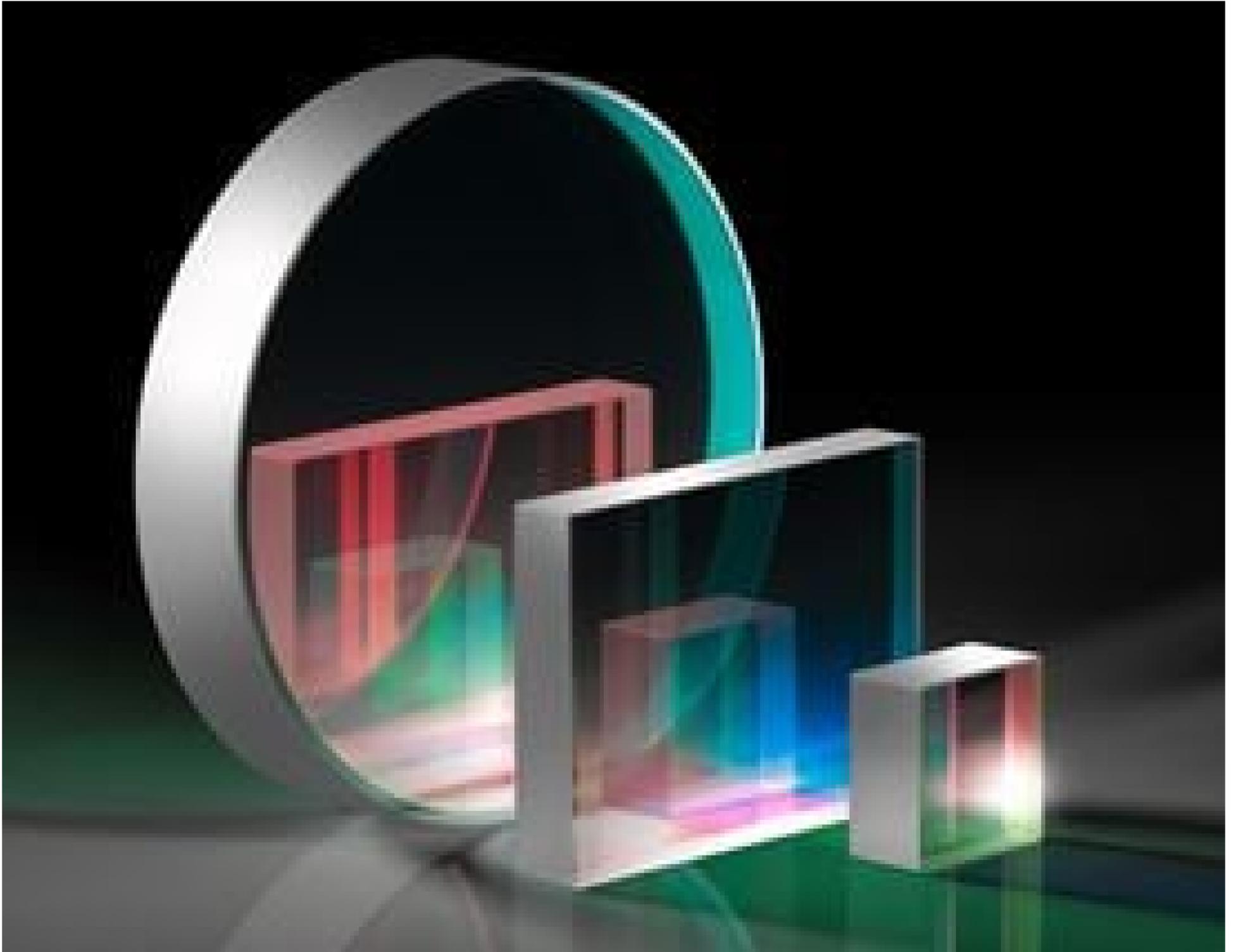


**TECHSPEC® 75mm Dia. 750 - 1100nm Broadband  $\lambda/10$  Mirror**



Stock **#24-049** **4 In Stock**

- 1 + £516<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£516.00 each
Qty 6-25	£412.00 each
Qty 26-49	£387.20 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

75.00 +0.00/-0.20

7.50 ±0.22 **Thickness (mm):**

Commercial Polish **Back Surface:**

90 **Clear Aperture (%):**

Ground, 0.5mm max bevel **Edges:**

<3 **Parallelism (arcmin):**

## Optical Properties

Dielectric **Coating Type:**

Dielectric Mirror (750-1100nm) **Coating:**

λ10 **Surface Flatness (P-V):**

750 - 1100 **Wavelength Range (nm):**

**Fused Silica** (Coming 7980) **Substrate:**

0-45 **Angle of Incidence (°):**

**Coating Specification:**  
R<sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)  
R<sub>avg</sub> >99% @ 750 - 1100nm (0°)

20-10 **Surface Quality:**

**Damage Threshold, Reference:**   
1 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz

## Regulatory Compliance

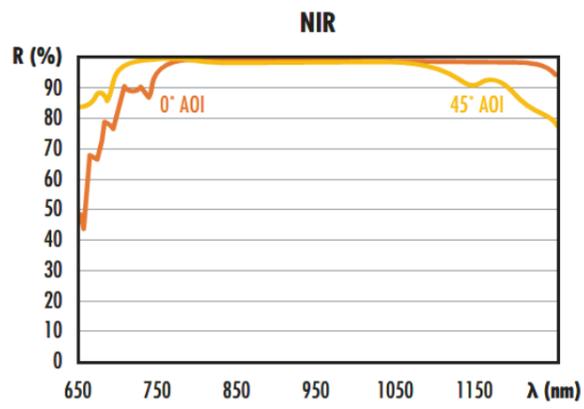
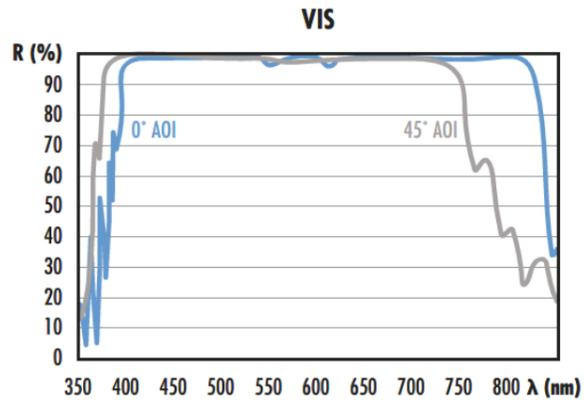
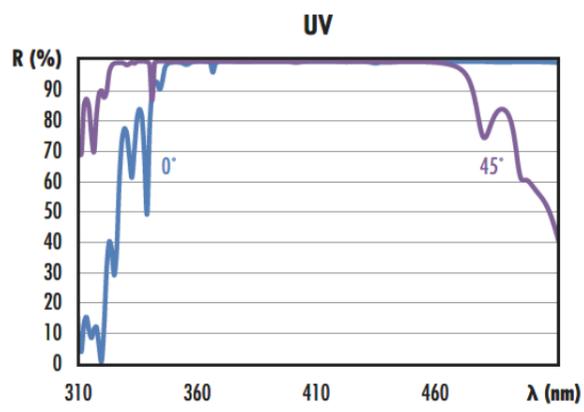
[View](#) **Certificate of Conformance:**

## 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 λ10 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 λ10 Mirrors are designed for applications from the UV to the near-infrared spectra.

## 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](#).

## Compatible Mounts