

**TECHSPEC® 51mm Dia. Protected Gold,  $\lambda/4$  Mirror**



Stock #32-435 **20+ In Stock**

⊖ 1 ⊕ ₹12,456

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹12,456 each
Qty 6-25	₹9,965 each
Qty 26-49	₹9,342 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

51.00 **Diameter (mm):**

Fine Grind **Back Surface:**

<b>Dimensional Tolerance (mm):</b>	+0.5/-0.0
<b>Bevel:</b>	Protective as needed
<b>Clear Aperture (%):</b>	85
<b>Edges:</b>	Fine Ground
<b>Thickness (mm):</b>	13.00 +1.0/-0.0

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**Optical Properties**

<b>Surface Flatness (P-V):</b>	λ/4
<b>Substrate:</b> <input type="checkbox"/>	<a href="#">BOROFLOAT®</a>
<b>Surface Quality:</b>	60-40
<b>Coating Specification:</b>	R <sub>avg</sub> >96% @ 700 - 2000nm R <sub>avg</sub> >96% @ 2000 - 10,000nm
<b>Coating:</b>	Protected Gold (700-10000nm)
<b>Coating Type:</b>	Metal
<b>Wavelength Range (μm):</b>	0.7 - 10
<b>Wavelength Range (nm):</b>	700 - 10000
<b>Damage Threshold, Reference:</b> <input type="checkbox"/>	0.8 J/cm <sup>2</sup> @ 1064nm, 10ns

**Regulatory Compliance**

<b>RoHS 2015:</b>	<a href="#">Compliant</a>
<b>Certificate of Conformance:</b>	<a href="#">View</a>
<b>Reach 247:</b>	<a href="#">Compliant</a>
<b>Country of Origin:</b>	United States
<b>Imported By:</b>	Edmund Optics India Private Limited

## Product Details

- Available in a Wide Range of Sizes and Shapes
- Precision Metallic Mirror Coatings
- [Contact Us](#) for Custom Sizes

TECHSPEC® λ/4 First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The coated surface should be oriented to reflect incident light. TECHSPEC λ/4 First Surface Mirrors are offered in circular, square, and rectangular dimensions. First surface mirrors are ideal for applications requiring the mirror to be mounted at 45° in order to produce a 90° bend in the light path. These first surface mirrors easily mount into a [range of optical mounts](#) to facilitate application integration. The mirrors have available coatings of enhanced aluminum, protected aluminum, protected silver, and protected gold.

**Note:** Surface flatness is measured before coating.

A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

## 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