

TECHSPEC® 50mm Dia. Protected Gold, $\lambda/4$ Mirror



Stock #45-609 **4 In Stock**

⊖ 1 ⊕ £156⁰⁰

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Volume Pricing	
Qty 1-5	£156.00 each
Qty 6-25	£124.80 each
Qty 26-49	£116.80 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

50.00 **Diameter (mm):**

4.00 ±0.25 **Thickness (mm):**

Commercial Polish	Back Surface:
Protective as needed	Bevel:
85	Clear Aperture (%):
±0.25	Dimensional Tolerance (mm):
Fine Ground	Edges:

Optical Properties

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

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

Need different specs or modifications?

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](#).

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.

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

Compatible Mounts