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TECHSPEC[®]

10 x 10mm Protected Gold, $\lambda/4$ Mirror



Stock **#45-724** 20+ In Stock

-

1

+

€83^{.50}

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Volume Pricing	
Qty 1-5	€83,50 each
Qty 6-25	€66,50 each
Qty 26-49	€63,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

2.00 ±0.25

Thickness (mm):

10.0 x 10.0

Dimensions (mm):

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

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: □
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: □

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

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](#).

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.

Compatible Mounts