

TECHSPEC® 51mm Dia. Protected Gold, λ/4 Mirror



Stock #32-435 3-4 DAYS

⊖ 1 ⊕ £136.⁰⁰

[ADD TO CART](#)

Qty 1-5

£136.00

Qty 6+

£108.80

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):
51.00

Back Surface:
Fine Ground

Dimensional Tolerance (mm):
+0.5/-0.0

Bevel:
Protective bevel as needed

Clear Aperture (%):
85

Edges:
Fine Ground

Thickness (mm):
13.00 +1.0/-0.0

Optical Properties

Surface Flatness (P-V):
 $\lambda/4$

Substrate:
[BOROFLOAT®](#)

Surface Quality:
60-40

Coating Specification:
 $R_{avg} > 96\%$ @ 700 - 2000nm
 $R_{avg} > 96\%$ @ 2000 - 10,000nm

Coating:
Protected Gold (700-10000nm)

Coating Type:
Metal

Wavelength Range (μm):
0.7 - 10

Wavelength Range (nm):
700 - 10000

Damage Threshold, Reference:
0.8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

REACH 241:
[Compliant](#)

PRODUCT DETAILS

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

TECHSPEC® $\lambda/4$ 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 $\lambda/4$ 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: A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

COMPATIBLE MOUNTS