

TECHSPEC®

50 x 50mm Protected Gold,  $\lambda/4$  Mirror



Stock **#45-338** **1 In Stock**

-

1

+

£156<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £156.00 each                  |
| Qty 6-25       | £124.80 each                  |
| Qty 26-49      | £116.80 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

10.00 ±0.25

Thickness (mm):

50.0 x 50.0

Dimensions (mm):

|                      |                             |
|----------------------|-----------------------------|
| Commercial Polish    | Back Surface:               |
| Protective as needed | Bevel:                      |
| 85                   | Clear Aperture (%):         |
| ±0.25                | Dimensional Tolerance (mm): |
| Fine Ground          | Edges:                      |
| 50.00                | Length (mm):                |
| 50.00                | 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 <sub>avg</sub> >96% @ 700 - 2000nm<br>R <sub>avg</sub> >96% @ 2000 - 10,000nm | Coating Specification:         |
| 60-40                                                                           | Surface Quality:               |
| 0.8 J/cm² @ 1064nm, 10ns                                                        | Damage Threshold, Reference: □ |

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

## 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.
- Arrange 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