

TECHSPEC<sup>®</sup> 12.5mm Dia. Protected Gold,  $\lambda$ /4 Mirror



Stock **#45-603** 20+ In Stock

-

1

+

€83<sup>.50</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €83,50 each                   |
| Qty 6-25       | €66,50 each                   |
| Qty 26-49      | €63,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

12.50

Back Surface:

Commercial Polish

|                      |                             |
|----------------------|-----------------------------|
| ±0.25                | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 85                   | Clear Aperture (%):         |
| Fine Ground          | Edges:                      |

|            |                 |
|------------|-----------------|
| 2.00 ±0.25 | Thickness (mm): |
|------------|-----------------|

Optical Properties

|            |                                     |
|------------|-------------------------------------|
| λ/4        | Surface Flatness (P-V):             |
| BOROFLOAT® | Substrate: <input type="checkbox"/> |

|                                                                                 |                        |
|---------------------------------------------------------------------------------|------------------------|
| 60–40                                                                           | Surface Quality:       |
| R <sub>avg</sub> >96% @ 700 - 2000nm<br>R <sub>avg</sub> >96% @ 2000 - 10,000nm | Coating Specification: |

|                              |               |
|------------------------------|---------------|
| Protected Gold (700-10000nm) | Coating:      |
| Metal                        | Coating Type: |

|             |                        |
|-------------|------------------------|
| 0.7 - 10    | Wavelength Range (μm): |
| 700 - 10000 | Wavelength Range (nm): |

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| 0.8 J/cm <sup>2</sup> @ 1064nm, 10ns | Damage Threshold, Reference: <input type="checkbox"/> |
|--------------------------------------|-------------------------------------------------------|

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.

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