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



Stock **#48-412** 5 In Stock

-

1

+

₹5,333

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹5,333 each                   |
| Qty 6-25       | ₹4,243 each                   |
| Qty 26-49      | ₹4,009 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                  |
|----------------------------------|------------------|
| Flat Mirror                      | Type:            |
| Physical & Mechanical Properties |                  |
| Commercial Polish                | Back Surface:    |
| 12.5 x 12.5                      | Dimensions (mm): |

|                      |                             |
|----------------------|-----------------------------|
| ±0.25                | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 85                   | Clear Aperture (%):         |
| Fine Ground          | Edges:                      |
| 2.00 ±0.25           | Thickness (mm):             |
| 12.50                | Length (mm):                |
| 12.50                | Width (mm):                 |

Optical Properties

|                                                                                 |                                                       |
|---------------------------------------------------------------------------------|-------------------------------------------------------|
| λ/4                                                                             | Surface Flatness (P-V):                               |
| <a href="#">BOROFLOAT®</a>                                                      | 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

|                                     |                             |
|-------------------------------------|-----------------------------|
| <a href="#">Compliant</a>           | RoHS 2015:                  |
| <a href="#">View</a>                | Certificate of Conformance: |
| <a href="#">Compliant</a>           | Reach 247:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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

