

TECHSPEC<sup>®</sup> 12.5 x 12.5mm UV Enhanced Aluminum, λ/4 Mirror



Stock **#48-409** 5 In Stock

-

1

+

£51<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £51.20 each                   |
| Qty 6-25       | £40.80 each                   |
| Qty 26-49      | £38.60 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:  
Flat Mirror

| 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):                           |
| BOROFLOAT®                                                                 | Substrate: <input type="text"/>                   |
| 60-40                                                                      | Surface Quality:                                  |
| R <sub>avg</sub> >89% @ 250 - 450nm<br>R <sub>avg</sub> >85% @ 250 - 700nm | Coating Specification:                            |
| Enhanced Aluminum (250-700nm)                                              | Coating:                                          |
| Metal                                                                      | Coating Type:                                     |
| 0.25 - 0.7                                                                 | Wavelength Range (μm):                            |
| 250 - 700                                                                  | Wavelength Range (nm):                            |
| 0.5 J/cm <sup>2</sup> @ 355nm, 10ns                                        | Damage Threshold, Reference: <input type="text"/> |
| 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