

TECHSPEC® 50 x 50mm Protected Silver,  $\lambda$ /4 Mirror



Stock #49-197 20+ In Stock

-

1

+

£130<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £130.40 each                  |
| Qty 6-25       | £104.00 each                  |
| Qty 26-49      | £98.40 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

Commercial Polish

Back Surface:

50.0 x 50.0

Dimensions (mm):

|                      |                             |
|----------------------|-----------------------------|
| ±0.25                | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 85                   | Clear Aperture (%):         |
| Fine Ground          | Edges:                      |
| 10.00 ±0.25          | Thickness (mm):             |
| 50.00                | Length (mm):                |
| 50.00                | Width (mm):                 |

Optical Properties

|                                                                                 |                                                                                                                  |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| λ/4                                                                             | Surface Flatness (P-V):                                                                                          |
| <a href="#">BOROFLOAT®</a>                                                      | Substrate:                      |
| 60-40                                                                           | Surface Quality:                                                                                                 |
| R <sub>avg</sub> >98% @450 - 800nm<br>R <sub>avg</sub> >98.5% @ 2000 - 10,000nm | Coating Specification:                                                                                           |
| Protected Silver (450-10000nm)                                                  | Coating:                                                                                                         |
| Metal                                                                           | Coating Type:                                                                                                    |
| 0.45 - 10                                                                       | Wavelength Range (μm):                                                                                           |
| 450 - 10000                                                                     | Wavelength Range (nm):                                                                                           |
| 0.5 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns                                    | Damage Threshold, Reference:  |

Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | 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.

## Coating Curves

## 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

