

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



Stock **#49-190** [CONTACT US](#)

-

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+

S\$100<sup>.10</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$100.10</b> each         |
| Qty 6-25       | <b>S\$80.50</b> each          |
| Qty 26-49      | <b>S\$75.60</b> each          |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                 |
|----------------------------------|-----------------|
| Flat Mirror                      | Type:           |
| Physical & Mechanical Properties |                 |
| 12.50                            | Diameter (mm):  |
| 2.00 ±0.25                       | Thickness (mm): |

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

|                                                                                  |                                |
|----------------------------------------------------------------------------------|--------------------------------|
| Optical Properties                                                               |                                |
| 0.45 - 10                                                                        | Wavelength Range (µm):         |
| Metal                                                                            | Coating Type:                  |
| Protected Silver (450-10000nm)                                                   | Coating:                       |
| λ/4                                                                              | Surface Flatness (P-V):        |
| 450 - 10000                                                                      | Wavelength Range (nm):         |
| BOROFLOAT®                                                                       | Substrate: □                   |
| R <sub>avg</sub> >98% @ 450 - 800nm<br>R <sub>avg</sub> >98.5% @ 2000 - 10,000nm | Coating Specification:         |
| 60-40                                                                            | Surface Quality:               |
| 0.5 J/cm <sup>2</sup> @ 532nm & 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.

Arange of mounts specificallycompatible 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