

TECHSPEC<sup>®</sup> 40 x 40mm Protected Silver,  $\lambda/4$  Mirror



Stock **#88-540** 20+ In Stock

-

1

+

C\$184<sup>.80</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$184.80 each                |
| Qty 6-25       | C\$147.00 each                |
| Qty 26-49      | C\$137.90 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                  |
|----------------------------------|------------------|
| Flat Mirror                      | Type:            |
| Physical & Mechanical Properties |                  |
| Commercial Polish                | Back Surface:    |
| 40.0 x 40.0                      | Dimensions (mm): |

|                             |  |
|-----------------------------|--|
| Dimensional Tolerance (mm): |  |
| +0.0/-0.25                  |  |
| Bevel:                      |  |
| Protective as needed        |  |
| Clear Aperture (%):         |  |
| 85                          |  |
| Edges:                      |  |
| Fine Ground                 |  |
| Thickness (mm):             |  |
| 5.00 ±0.25                  |  |
| Length (mm):                |  |
| 40.00                       |  |
| Width (mm):                 |  |
| 40.00                       |  |

Optical Properties

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

Regulatory Compliance

|                             |  |
|-----------------------------|--|
| RoHS 2015:                  |  |
| Compliant                   |  |
| Certificate of Conformance: |  |
| View                        |  |
| Reach 247:                  |  |
| Compliant                   |  |

## 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 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

