

TECHSPEC® 40mm Dia. UV Enhanced Aluminum,  $\lambda/4$  Mirror



Stock #63-172 5 In Stock

-

1

+

€118<sup>,00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €118,00 each                  |
| Qty 6-25       | €94,50 each                   |
| Qty 26-49      | €89,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

40.00

Back Surface:

Commercial Polish

|                      |                             |
|----------------------|-----------------------------|
| +0.0/-0.25           | Dimensional Tolerance (mm): |
|                      |                             |
| Protective as needed | Bevel:                      |
|                      |                             |
| 85                   | Clear Aperture (%):         |
|                      |                             |
| Fine Ground          | Edges:                      |
|                      |                             |

|            |                 |
|------------|-----------------|
| 4.00 ±0.25 | Thickness (mm): |
|            |                 |

Optical Properties

|            |                         |
|------------|-------------------------|
| λ/4        | Surface Flatness (P-V): |
|            |                         |
| BOROFLOAT® | Substrate: □            |
|            |                         |

|                                                                            |                        |
|----------------------------------------------------------------------------|------------------------|
| 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: □ |
|                                     |                                |

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