

TECHSPEC® 2" Dia, 6" FL UV Enhanced Alum., Spherical Mirror



Stock #49-607 3 In Stock

-

1

+

€199<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €199,00 each                  |
| Qty 10-25      | €168,00 each                  |
| Qty 26-49      | €159,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror

Type:

Physical & Mechanical Properties

50.80 +0.5/-0

Diameter (mm):

Ground

Back Surface:

|          |                               |
|----------|-------------------------------|
| 2.0      | Diameter (inches):            |
| +0.04/-0 | Diameter Tolerance (inches):  |
| 0.50     | Edge Thickness ET (inches):   |
| 12.70    | Edge Thickness ET (mm):       |
| +0.0/-15 | Edge Thickness Tolerance (%): |

Optical Properties

|                                                                                   |                                                                                                                  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Metal                                                                             | Coating Type:                                                                                                    |
| Enhanced Aluminum (250-700nm)                                                     | Coating:                                                                                                         |
| 250 - 700                                                                         | Wavelength Range (nm):                                                                                           |
| 152.40                                                                            | Effective Focal Length EFL (mm):                                                                                 |
|  | Substrate:                      |
| f/3                                                                               | Aperture (f/#):                                                                                                  |
| R <sub>avg</sub> >89% @ 250 - 450nm<br>R <sub>avg</sub> >85% @ 250 - 700nm        | Coating Specification:                                                                                           |
| 6.00                                                                              | Effective Focal Length EFL (inches):                                                                             |
| ±2                                                                                | Focal Length Tolerance (%):                                                                                      |
| λ/4                                                                               | Surface Accuracy:                                                                                                |
| 60-40                                                                             | Surface Quality:                                                                                                 |
| 0.5 J/cm <sup>2</sup> @ 355nm, 10ns                                               | Damage Threshold, Reference:  |
| 304.80                                                                            | Radius of Curvature (mm):                                                                                        |

Regulatory Compliance

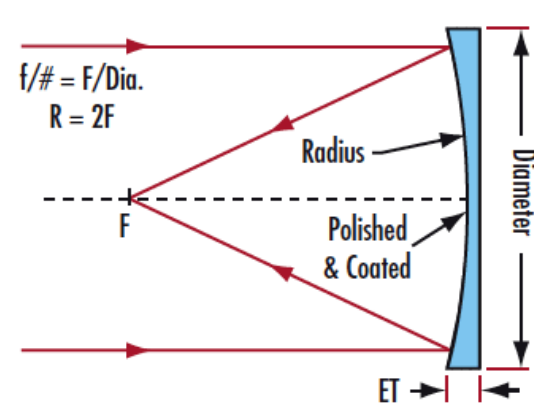
|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 247:                  |

## Product Details

- Ideal for Multispectral Focusing Applications
- Variety of Coating Options Offered
- Multiple Sizes Available
- [λ/8 Precision Spherical Mirrors](#) Also Available

TECHSPEC® λ/4 Precision Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors are available in a wide range of metallic coating options covering the UV, VIS, and IR spectrum. A BOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® λ/4 Precision Spherical Mirrors are available in diameters ranging from 25.4 to 152.4mm for ease of system integration. These mirrors collect and focus light without introducing chromatic aberration.

## Technical Information



# 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](#).