

TECHSPEC<sup>®</sup> 2" Dia, 40" FL Enhanced Alum., Spherical Mirror



Stock #43-552 5 In Stock

-

1

+

€197<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €197,00 each                  |
| Qty 10-25      | €167,00 each                  |
| Qty 26-49      | €157,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Spherical Mirror

Physical & Mechanical Properties

Diameter (inches):  
2.0

Diameter (mm):  
50.80 +0.5/-0

|          |                              |
|----------|------------------------------|
| +0.02/-0 | Diameter Tolerance (inches): |
| Ground   | Back Surface:                |
| 0.50     | Edge Thickness ET (inches):  |
| 12.70    | Edge Thickness ET (mm):      |

|          |                               |
|----------|-------------------------------|
| +0.0/-15 | Edge Thickness Tolerance (%): |
|----------|-------------------------------|

Optical Properties

|                            |                                     |
|----------------------------|-------------------------------------|
| <a href="#">BOROFLOAT®</a> | Substrate: <input type="checkbox"/> |
| ±2                         | Focal Length Tolerance (%):         |

|       |                   |
|-------|-------------------|
| 60-40 | Surface Quality:  |
| λ/4   | Surface Accuracy: |

|          |                                      |
|----------|--------------------------------------|
| 40.00    | Effective Focal Length EFL (inches): |
| 1,016.00 | Effective Focal Length EFL (mm):     |

|          |                           |
|----------|---------------------------|
| 2,032.00 | Radius of Curvature (mm): |
| f/20     | Aperture (f/#):           |

|                                     |                        |
|-------------------------------------|------------------------|
| Enhanced Aluminum (450-650nm)       | Coating:               |
| R <sub>avg</sub> >95% @ 450 - 650nm | Coating Specification: |

|           |                        |
|-----------|------------------------|
| Metal     | Coating Type:          |
| 450 - 650 | Wavelength Range (nm): |

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| 0.2 J/cm <sup>2</sup> @ 532nm, 10ns | Damage Threshold, Reference: <input type="checkbox"/> |
|-------------------------------------|-------------------------------------------------------|

Regulatory Compliance

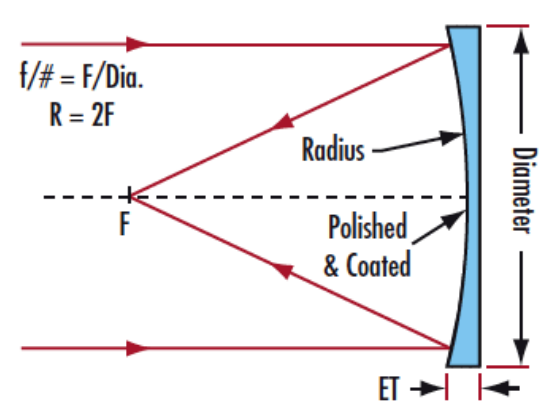
|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |

|                           |            |
|---------------------------|------------|
| <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



# 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](#).