

**TECHSPEC® 3" Dia, 3" FL Enhanced Alum., Spherical Mirror**



Stock #43-554 **1 In Stock**

⊖ 1 ⊕ A\$500<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	A\$500.80 each
Qty 10-25	A\$425.60 each
Qty 26-49	A\$400.00 each
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Product Downloads

**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

76.20 +1.0/-0 **Diameter (mm):**

Ground **Back Surface:**

Diameter (inches):

3.0

Diameter Tolerance (inches):

+0.04/-0

Edge Thickness ET (inches):

0.50

Edge Thickness ET (mm):

12.70

Edge Thickness Tolerance (%):

+0.0/-15

## Optical Properties

Coating Type:

Metal

Coating:

Enhanced Aluminum (450-650nm)

Wavelength Range (nm):

450 - 650

Effective Focal Length EFL (mm):

76.20

Substrate:

BOROFLOAT®

Aperture (f/#):

f/1

Coating Specification:

R<sub>avg</sub> >95% @ 450 - 650nm

Effective Focal Length EFL (inches):

3.00

Focal Length Tolerance (%):

±2

Surface Accuracy:

λ/4

Surface Quality:

60-40

Damage Threshold, Reference:

0.2 J/cm<sup>2</sup> @ 532nm, 10ns

Radius of Curvature (mm):

152.40

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

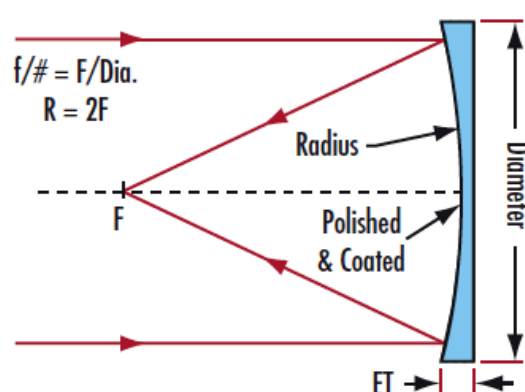
Compliant

## 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](#).

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