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TECHSPEC[®] 3" Dia, 8" FL Protected Alum., Spherical Mirror



Stock **#43-583** 6 In Stock

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+

A\$430^{.40}

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Volume Pricing	
Qty 1-9	A\$430.40 each
Qty 10-25	A\$364.80 each
Qty 26-49	A\$344.00 each
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Product Downloads

General	
Spherical Mirror	Type:
Physical & Mechanical Properties	
76.20 +1.0/-0	Diameter (mm):
Ground	Back Surface:

3.0	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:
Protected Aluminum (400-2000nm)	Coating:
400 - 2000	Wavelength Range (nm):
203.20	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: ☐
f/2.7	Aperture (f/#):
R _{avg} >85% @400 - 700nm R _{avg} >90% @400 - 2000nm	Coating Specification:
8.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
0.3 J/cm ² @ 532nm & 1064nm, 10ns	Damage Threshold, Reference: ☐
406.40	Radius of Curvature (mm):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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](#).

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



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