

TECHSPEC® 3" Dia, 8" FL Protected Gold, Spherical Mirror



Stock #43-586 2 In Stock

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+

A\$579<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | A\$579.20 each                |
| Qty 10-25      | A\$491.20 each                |
| Qty 26-49      | A\$462.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Spherical Mirror

Type:

Physical & Mechanical Properties

3.0

Diameter (inches):

76.20 +1.0/-0

Diameter (mm):

|          |                               |
|----------|-------------------------------|
| +0.04/-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

|                                                         |                                                       |
|---------------------------------------------------------|-------------------------------------------------------|
| <b>BOROFLOAT®</b>                                       | Substrate: <input type="checkbox"/>                   |
| ±2                                                      | Focal Length Tolerance (%):                           |
| 60-40                                                   | Surface Quality:                                      |
| λ/4                                                     | Surface Accuracy:                                     |
| 8.00                                                    | Effective Focal Length EFL (inches):                  |
| 203.20                                                  | Effective Focal Length EFL (mm):                      |
| 406.40                                                  | Radius of Curvature (mm):                             |
| f/2.7                                                   | Aperture (f/#):                                       |
| Protected Gold (700-10000nm)                            | Coating:                                              |
| Ravg >96% @ 700 - 2000nm<br>Ravg >96% @ 2000 - 10,000nm | Coating Specification:                                |
| Metal                                                   | Coating Type:                                         |
| 700 - 10000                                             | Wavelength Range (nm):                                |
| 0.8 J/cm² @ 1064nm, 10ns                                | Damage Threshold, Reference: <input type="checkbox"/> |

Regulatory Compliance

|                  |                             |
|------------------|-----------------------------|
| <b>Compliant</b> | RoHS 2015:                  |
| <b>View</b>      | Certificate of Conformance: |
| <b>Compliant</b> | 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](#).

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