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TECHSPEC<sup>®</sup> 3" Dia, 18" FL Protected Gold, Spherical Mirror



Stock **#32-831** 1 In Stock

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1

+

C\$506<sup>.80</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | C\$506.80 each                |
| Qty 10-25      | C\$429.80 each                |
| Qty 26-49      | C\$404.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

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 Gold (700-10000nm)                                                    | Coating:                                              |
| 700 - 10000                                                                     | Wavelength Range (nm):                                |
| 457.20                                                                          | Effective Focal Length EFL (mm):                      |
| <a href="#">BOROFLOAT®</a>                                                      | Substrate: <input type="checkbox"/>                   |
| f/6                                                                             | Aperture (f/#):                                       |
| R <sub>avg</sub> >96% @ 700 - 2000nm<br>R <sub>avg</sub> >96% @ 2000 - 10,000nm | Coating Specification:                                |
| 18.00                                                                           | Effective Focal Length EFL (inches):                  |
| ±2                                                                              | Focal Length Tolerance (%):                           |
| λ/4                                                                             | Surface Accuracy:                                     |
| 60-40                                                                           | Surface Quality:                                      |
| 0.8 J/cm <sup>2</sup> @ 1064nm, 10ns                                            | Damage Threshold, Reference: <input type="checkbox"/> |
| 914.40                                                                          | 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](#).

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