

TECHSPEC<sup>®</sup> 50mm Dia x -400mm FL, Protected Gold, Convex Mirror



Convex Mirrors

Stock **#87-698** [CONTACT US](#)

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+

A\$158<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$158.40 each                |
| Qty 6-25       | A\$124.80 each                |
| Qty 26-49      | A\$121.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                           |
|----------------------------------|---------------------------|
| Spherical Mirror                 | Type:                     |
| Physical & Mechanical Properties |                           |
| 50.00                            | Diameter (mm):            |
| 5.00                             | Center Thickness CT (mm): |

|           |                             |
|-----------|-----------------------------|
| 90.00     | Clear Aperture (%):         |
| +0.0/-0.1 | Dimensional Tolerance (mm): |
| 4.61      | Edge Thickness ET (mm):     |
| 800.0     | Radius R (mm):              |
| ±0.1      | Thickness Tolerance (mm):   |

Optical Properties

|                                                                                 |                             |
|---------------------------------------------------------------------------------|-----------------------------|
| -400.00                                                                         | Focal Length FL (mm):       |
| Protected Gold (700-10000nm)                                                    | Coating:                    |
| R <sub>avg</sub> >96% @ 700 - 2000nm<br>R <sub>avg</sub> >96% @ 2000 - 10,000nm | Coating Specification:      |
| Metal                                                                           | Coating Type:               |
| ±2                                                                              | Focal Length Tolerance (%): |
| N-BK7                                                                           | Substrate: □                |
| λ/2                                                                             | Surface Accuracy:           |
| 60-40                                                                           | Surface Quality:            |
| 700 - 2000                                                                      | Wavelength Range (nm):      |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

## Product Details

- Precision Polished Surface
- λ/2 Surface Accuracy
- Variety of Coating Options Offered

TECHSPEC® Convex Mirrors are ideal for expanding an imaging system's field of view without introducing chromatic aberrations. TECHSPEC Convex Mirrors utilize a precision polished surface with a λ/2 surface accuracy to maintain image quality. These optical mirrors create virtual, upright images. Shorter focal lengths generate wider fields of view, while longer focal lengths minimize distortion.

## 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](#).