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TECHSPEC® 50mm Dia x -100mm FL, Protected Silver, Convex Mirror



Convex Mirrors

Stock **#87-685** **3 In Stock**

- 1 + MRP ₹8,980

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹8,980 each |
| Qty 6-25 | ₹7,264 each |
| Qty 26-49 | ₹7,062 each |
| Need More? | Request Quote |

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

50.00 **Diameter (mm):**

Center Thickness CT (mm):

| | |
|-----------|-----------------------------|
| 5.00 | |
| 90.00 | Clear Aperture (%): |
| +0.0/-0.1 | Dimensional Tolerance (mm): |
| 3.43 | Edge Thickness ET (mm): |
| 200.0 | Radius R (mm): |
| ±0.1 | Thickness Tolerance (mm): |

Optical Properties

| | |
|---|-------------------------------------|
| -100.00 | Focal Length FL (mm): |
| Protected Silver (450-10000nm) | Coating: |
| R _{avg} >98% @ 450 - 2000nm R _{avg} >98% @ 2000 - 10,000nm | Coating Specification: |
| Metal | Coating Type: |
| ±2 | Focal Length Tolerance (%): |
| N-BK7 | Substrate: <input type="checkbox"/> |
| λ/2 | Surface Accuracy: |
| 60-40 | Surface Quality: |
| 500 - 10000 | Wavelength Range (nm): |

Regulatory Compliance

| | |
|---|-----------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 247: |
| United States | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

Need different specs or modifications?

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

- 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.

Coating Curves

