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TECHSPEC®

50mm Dia x -200mm FL, Protected Aluminum, Convex Mirror



Convex Mirrors

Stock **#87-664** **3 In Stock**

-

1

+

£57<sup>60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £57.60 each                   |
| Qty 6-25       | £46.40 each                   |
| Qty 26-49      | £44.80 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

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): |
| 4.21      | Edge Thickness ET (mm):     |
| 400.0     | Radius R (mm):              |
| ±0.1      | Thickness Tolerance (mm):   |

| Optical Properties                 |                                 |
|------------------------------------|---------------------------------|
| -200.00                            | Focal Length FL (mm):           |
| Protected Aluminum (400-700nm)     | Coating:                        |
| R <sub>avg</sub> >85% @400 - 700nm | Coating Specification:          |
| Metal                              | Coating Type:                   |
| ±2                                 | Focal Length Tolerance (%):     |
| N-BK7                              | Substrate: <input type="text"/> |
| λ/2                                | Surface Accuracy:               |
| 60-40                              | Surface Quality:                |
| 400 - 700                          | 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](#).