

TECHSPEC<sup>®</sup> 50mm Dia x -50mm FL, Enhanced Aluminum, Convex Mirror



Convex Mirrors

Stock **#87-673** [CONTACT US](#)

-

1

+

€75<sup>.71</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €75,71 each                   |
| Qty 6-25       | €60,77 each                   |
| Qty 26-49      | €58,20 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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):         |
| 1.83                                | Edge Thickness ET (mm):             |
| 100.0                               | Radius R (mm):                      |
| ±0.1                                | Thickness Tolerance (mm):           |
| Optical Properties                  |                                     |
| -50.00                              | Focal Length FL (mm):               |
| Enhanced Aluminum (450-650nm)       | Coating:                            |
| R <sub>avg</sub> >95% @ 450 - 650nm | Coating Specification:              |
| Metal                               | Coating Type:                       |
| ±2                                  | Focal Length Tolerance (%):         |
| N-BK7                               | Substrate: <input type="checkbox"/> |
| λ/2                                 | Surface Accuracy:                   |
| 60-40                               | Surface Quality:                    |
| 450 - 650                           | 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.

## COATING CURVES

## 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](#).