

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



Convex Mirrors

Stock **#87-684** [CONTACT US](#)

-

1

+

£71²⁰

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Volume Pricing	
Qty 1-5	£71.20 each
Qty 6-25	£57.60 each
Qty 26-49	£56.00 each
Need More?	Request Quote

i 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):
1.83	Edge Thickness ET (mm):
100.0	Radius R (mm):
±0.1	Thickness Tolerance (mm):

Optical Properties	
-50.00	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:
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:

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](#).

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