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

Convex Mirrors

Stock **#87-663** **1 In Stock**

- 1 +

A$115.20

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Volume Pricing	
Qty 1-5	**A$115.20** each
Qty 6-25	**A$92.80** each
Qty 26-49	**A$89.60** each
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Product Downloads

General

Type:

Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):

50.00

Center Thickness CT (mm):

5.00

Clear Aperture (%):
90.00

Dimensional Tolerance (mm):
+0.0/-0.1

Edge Thickness ET (mm):
3.43

Radius R (mm):
200.0

Thickness Tolerance (mm):
±0.1

Optical Properties

Focal Length FL (mm):
-100.00

Coating:
Protected Aluminum (400-700nm)

Coating Specification:
R_{avg} >85% @ 400 - 700nm

Coating Type:
Metal

Focal Length Tolerance (%):
±2

Substrate:
N-BK7

Surface Accuracy:
λ/2

Surface Quality:
60-40

Wavelength Range (nm):
400 - 700

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

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.

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