

50mm Dia. x 25mm FL Protected Aluminum, Concave Mirror



Stock #43-469 **20+ In Stock**

⊖ 1 ⊕ €63⁰⁰

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Volume Pricing	
Qty 1-49	€63,00 each
Qty 50-99	€54,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

±0.5 **Thickness Tolerance (mm):**

50.00 ±0.50 **Diameter (mm):**

Clear Aperture (%):
90

Edge Thickness ET (mm):
6.0

Optical Properties

Coating Type:
Metal

Coating:
Protected Aluminum (400-2000nm)

Wavelength Range (nm):
400 - 2000

Effective Focal Length EFL (mm):
25.00

Substrate:
N-BK7

Aperture (f#):
f/0.5

Coating Specification:
R_{avg} >85% @ 400 - 700nm
R_{avg} >90% @ 400 - 2000nm

Focal Length Tolerance (%):
±2

Radius R₁ (mm):
50.00

Surface Quality:
80-50

Radius of Curvature (mm):
50.00

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Ideal for Focusing Light
- Aluminum and Gold Coating Options
- Available in Sizes Ranging from 9 - 50mm

Concave Spherical Mirrors are ideal for collecting and focusing light in a wide range of applications. These mirrors are available with protected metallic coatings covering the UV, VIS, and IR spectrum. A protective layer increases the coating's durability and prevents corrosion. Concave Spherical Mirrors are available in diameters ranging from 9-50mm for ease of system integration.

Technical Information

