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## 50mm Dia. x 50mm FL Protected Gold, Concave Mirror



Stock **#43-840** [CONTACT US](#)

− 1 + **A\$128<sup>00</sup>**

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Qty 1-49	<b>A\$128.00</b> each
Qty 50-99	<b>A\$108.80</b> each
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### Product Downloads

#### General

Spherical Mirror **Type:**

#### Physical & Mechanical Properties

$\pm 0.5$  **Thickness Tolerance (mm):**

50.00  $\pm 0.50$  **Diameter (mm):**

90 **Clear Aperture (%):**

Edge Thickness ET (mm):

6.0

## Optical Properties

**Coating Type:**  
Metal

**Coating:**  
Protected Gold (700-10000nm)

**Wavelength Range (nm):**  
700 - 10000

**Effective Focal Length EFL (mm):**  
50.00

**Substrate:**   
N-BK7

**Aperture (f/#):**  
f/1

**Coating Specification:**  
R<sub>avg</sub> >96% @ 700 - 2000nm  
R<sub>avg</sub> >96% @ 2000 - 10,000nm

**Focal Length Tolerance (%):**  
±2

**Radius R<sub>1</sub> (mm):**  
100.00

**Surface Quality:**  
80-50

**Radius of Curvature (mm):**  
100.00

## 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

