

[See all 100 Products in Family](#)

**TECHSPEC® 25.4mm Dia. x 50.8mm EFL, Protected Aluminum 50Å Off-Axis Mirror**



TECHSPEC Aluminum Off-Axis Parabolic Mirrors

Stock **#87-407** [CONTACT US](#)

[Other Coating Options](#)

⊖ 1 ⊕ MRP ₹25,223

● Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹25,223 each
Qty 6-10	₹22,701 each
Qty 11-25	₹21,692 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Off-Axis Parabolic Mirror **Type:**

**Physical & Mechanical Properties**

50.8 **Y Offset (mm):**

25.40 +0.0/-0.1	<b>Diameter (mm):</b>
<50 RMS	<b>Surface Roughness (□):</b>
<b>Optical Properties</b>	
Metal	<b>Coating Type:</b>
Protected Aluminum (400-2000nm)	<b>Coating:</b>
90	<b>Off-Set Angle (°):</b>
400 - 2000	<b>Wavelength Range (nm):</b>
50.80	<b>Effective Focal Length EFL (mm):</b>
Aluminum 6061-T6	<b>Substrate:</b> □
R <sub>avg</sub> ≥85% @ 400 - 700nm R <sub>avg</sub> ≥97% @ 2,000 - 12,000nm	<b>Coating Specification:</b>
±1	<b>Focal Length Tolerance (%):</b>
25.4	<b>Parent Focal Length PFL (mm):</b>
λ/8	<b>Surface Figure, RMS:</b>
80-50	<b>Surface Quality:</b>
50.80	<b>Radius of Curvature (mm):</b>
λ/4	<b>Reflected Wavefront, RMS:</b>

## Threading & Mounting

#47-111	<b>Compatible Mounting Plates:</b>
---------	------------------------------------

## Regulatory Compliance

Compliant	<b>RoHS 2015:</b>
Compliant	<b>REACH 201:</b>
View	<b>Certificate of Conformance:</b>
United States	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## 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

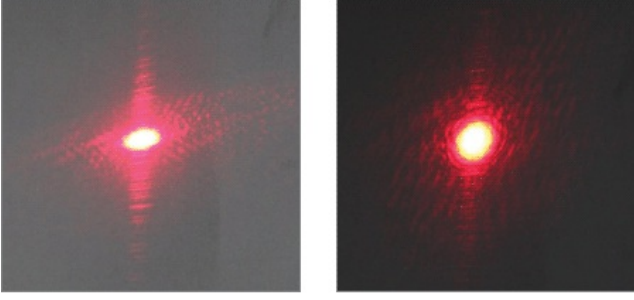
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Aluminum Coatings for UV, Visible, and NIR Applications
- Range of Surface Roughness, Including 50Å and 100Å
- 15°, 30°, 45°, 60°, or 90° Offset Angle Options
- Gold and Silver Coated Off-Axis Parabolic Mirrors Also Available

TECHSPEC® Aluminum Off-Axis Parabolic Mirrors (OAPs) are a cost-effective solution for focusing incident light with minimal scatter loss. Available with enhanced or protected aluminum coatings, these OAP mirrors offer high reflectivity from the ultraviolet (UV) to the near infrared (NIR). These Aluminum OAPs are manufactured with multiple surface roughness specifications, offering designers the choice between high performance, low scatter mirrors and more cost sensitive options. TECHSPEC® Aluminum Off-Axis Parabolic Mirrors are used in optical systems such as Schlieren and spectroscopy systems, as well as in laser systems to focus laser beams. For increased system integration flexibility, mounting plates that thread to the base of these off-axis parabolic mirrors are available.

## Technical Information



Typical scatter profiles. Left is standard grade OAPM while right is TECHSPEC® Low Scatter OAPM

---