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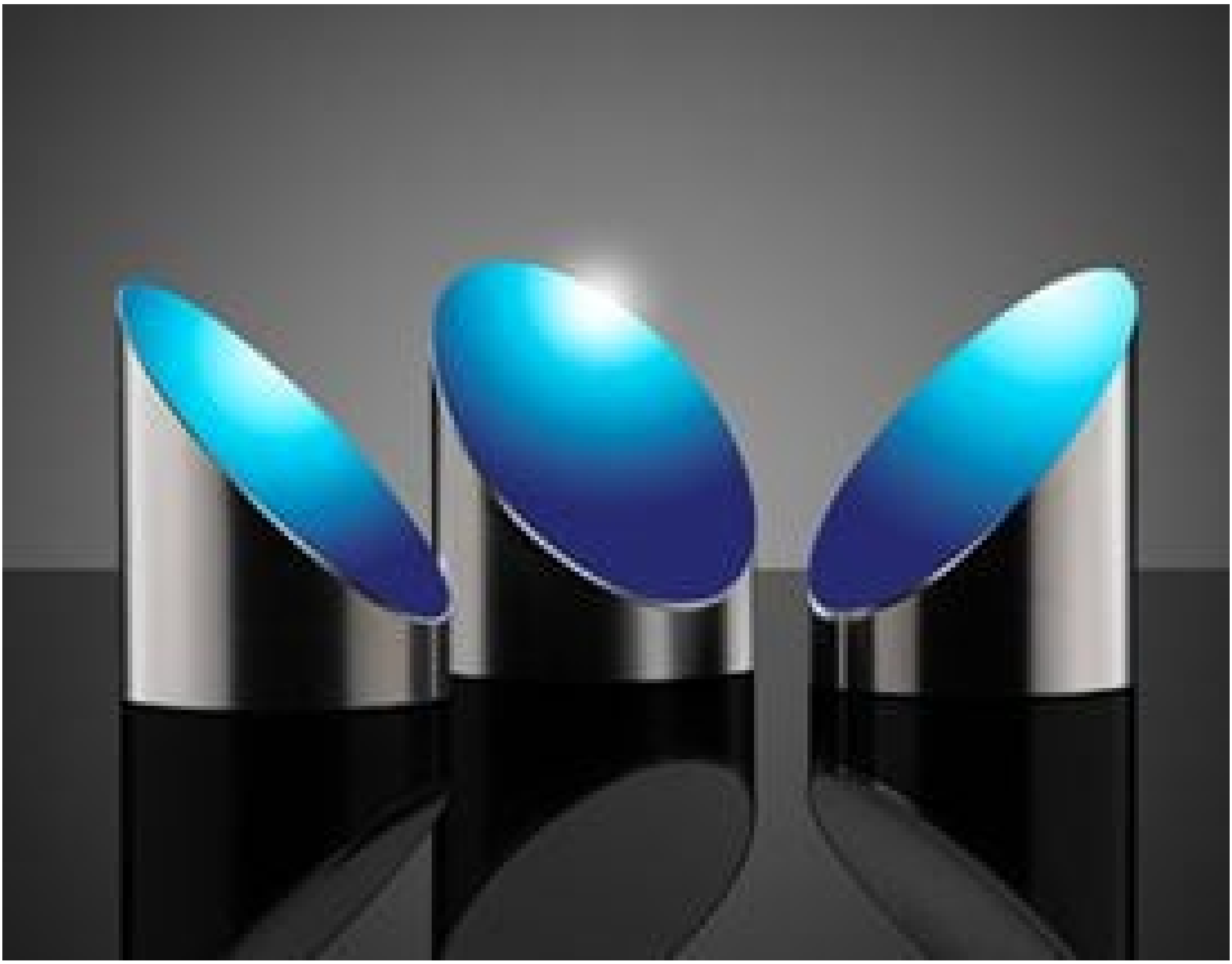
TECHSPEC® 50.8mm Dia. x 101.6mm EFL, Enhanced Deep UV (DUV) 90°Off-Axis Mirror



Ultraviolet Off-Axis Parabolic (OAP) Mirrors

Stock **#29-577** **4 In Stock**

- 1 + **₹67,520**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	**₹67,520** each
Qty 6-25	**₹53,878** each
Qty 26-50	**₹50,479** each
Need More?	Request Quote

Product Downloads

General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm):

101.60

Diameter (mm):

50.80 +0.0/-0.1

Surface Roughness (□):

<50 RMS

Optical Properties

Coating Type:

Metal

Coating:

Enhanced Aluminum (190-900nm)

Off-Set Angle (°):

90

Wavelength Range (nm):

190 - 900

Effective Focal Length EFL (mm):

101.60

Substrate: □

Aluminum 6061-T6

Coating Specification:

R_{avg} ≥92% @ 190 - 250nm
R_{avg} ≥83% @ 250 - 900nm

Focal Length Tolerance (%):

±1

Parent Focal Length PFL (mm):

50.8

Surface Figure, RMS:

λ/8

Surface Quality:

80-50

Radius of Curvature (mm):

101.60

Reflected Wavefront, RMS:

λ/4

Threading & Mounting

Compatible Mounting Plates:

#47-112

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

REACH 241:

Compliant

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited

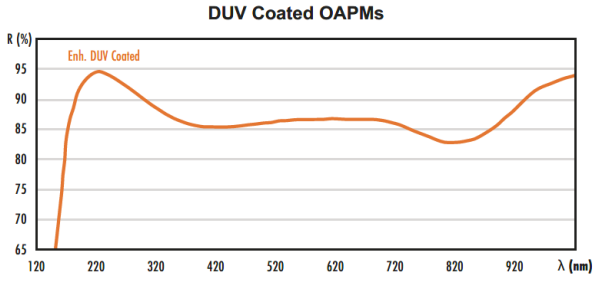
Product Details

- Enhanced Metallic Coating for High Reflectivity Across Deep UV (DUV) and Visible Spectra
- 190nm Design Wavelength
- <50Å RMS Surface Roughness

TECHSPEC® Ultraviolet Off-Axis Parabolic (OAP) Mirrors are coated with a DUV Enhanced Aluminum coating for excellent reflection from 190 – 900nm. To minimize scatter, these OAPs feature aluminum substrates and are diamond turned to have a surface roughness of <50Å RMS. Standard imperial diameters are available with multiple focal length options which range from 25.4 – 203mm. TECHSPEC® Ultraviolet Off-Axis Parabolic Mirrors are ideal for use in DUV ellipsometers, DUV Raman spectroscopy, or for general focusing of UV light generated by broadband light sources. To facilitate mounting and system integration, threaded mounting plate **#47-111** (sold separately) which attaches to the base of these off-axis parabolic mirrors are available.

Note: The soft coating can be easily damaged by fingerprints and aerosols.

Technical Information



Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools

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