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TECHSPEC® 50mm Dia., Enhanced Deep UV (DUV) Mirror



Precision Ultraviolet Mirrors

Stock **#18-748** [CONTACT US](#)

MRP ₹43,988

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹43,988 each
Qty 6-25	₹35,312 each
Qty 26-49	₹33,193 each
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General

Flat Mirror **Type:**

Physical & Mechanical Properties

50.00 +0.0/-0.2 **Diameter (mm):**

Thickness (mm):

10.00 ±0.20

Ground **Back Surface:**

90 **Clear Aperture (%):**

<3 **Parallelism (arcmin):**

Optical Properties

Metal **Coating Type:**

Enhanced Aluminum (190-900nm) **Coating:**

λ/10 **Surface Flatness (P-V):**

190 - 900 **Wavelength Range (nm):**

190 **Design Wavelength DWL (nm):**

Fused Silica (Corning 7980) **Substrate:**

0 **Angle of Incidence (°):**

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

10-5 **Surface Quality:**

Material Properties

10⁻⁷ Torr **Vacuum Compatibility:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **REACH 241:**

United States **Country of Origin:**

Imported By:
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

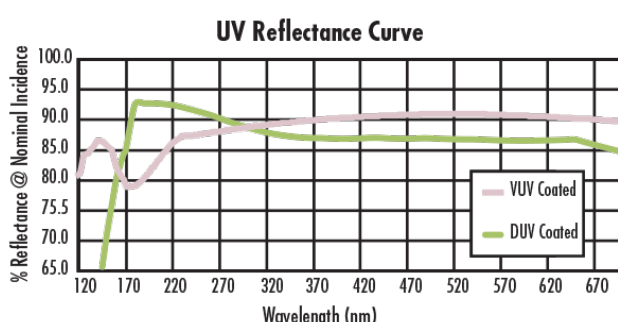
Product Details

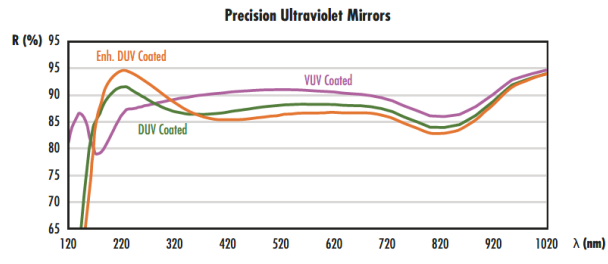
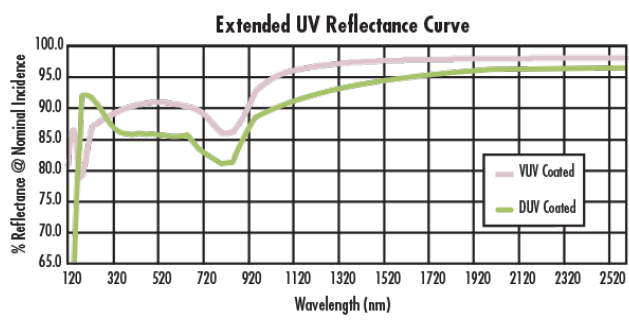
- 120nm and 190nm Design Wavelengths
- Average Reflectivity >85% Across Specified Range
- Enhanced Metallic Coatings for Broadband Reflectivity through the Visible Region

TECHSPEC® Precision Ultraviolet Mirrors are ideal for most commercially available light sources and are offered in both Deep UV (DUV) and Vacuum UV (VUV) enhanced coating options. The DUV coating offers excellent reflection from 190nm to the long-wave infrared (LWIR), while the VUV coating has optimized reflection from 120nm to the LWIR. These mirrors are designed for 0° angle of incidence and feature an aluminum-based coating for low polarization sensitivity. TECHSPEC® Precision Ultraviolet Mirrors have an average reflectivity of greater than 85% across a specified range. The mirrors are available in diameters ranging from 5 to 50mm.

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

Compatible Mounts