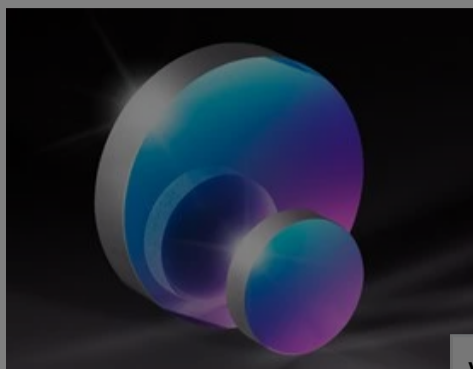


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**TECHSPEC® 12.5mm**



Precision Ultraviolet Mirrors

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€295<sup>00</sup>

ADD TO CART

Volume Pricing	
Qty 1-5	€295,00 each
Qty 6-25	€234,00 each
Qty 26-49	€219,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Flat Mirror

Physical & Mechanical Properties

Diameter (mm): 12.50 +0.0/-0.2

Thickness (mm): 6.00 ±0.20

Back Surface: Ground

Clear Aperture (%): 90

Parallelism (arcmin): <3

Optical Properties

Coating Type: Metal

Coating: Enhanced Aluminum (120-600nm)

Surface Flatness (P-V): λ/10

Wavelength Range (nm): 120 - 600

Design Wavelength DWL (nm): 120

Substrate: [Fused Silica](#) (Corning 7980)

Angle of Incidence (°): 0

Coating Specification: R<sub>avg</sub> ≥78% @ 120 - 125nm  
R<sub>avg</sub> ≥85% @ 120 - 600nm

Surface Quality: 10-5

Material Properties

Vacuum Compatibility: 10<sup>-7</sup> Torr

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

REACH 241: **Compliant**

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## Product Details

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

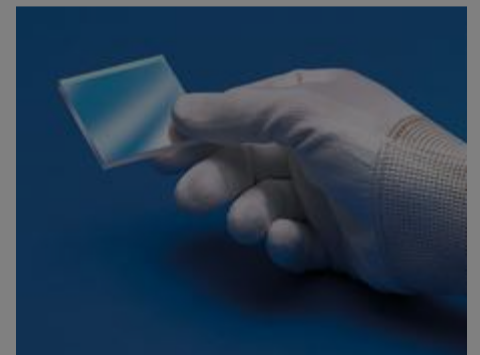
TECHSPEC® Precision Ultraviolet Mirrors are ideal for most commercially available light sources and are offered in both Deep UV (DUV) and Vacuum UV (VUV) enhanced coating options. The DUV coating offers excellent reflection from 190nm to the long-wave infrared (LWIR), while the VUV coating has optimized 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**

### Related Products

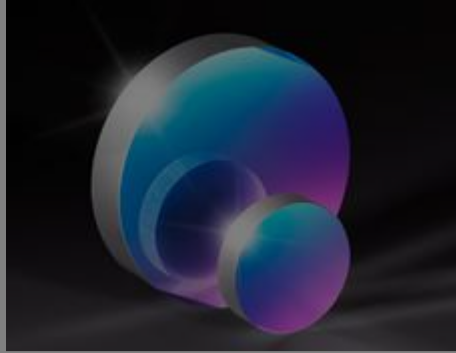


#15-866 - 25.0/25.4mm Optic Dia.,  
E-Series Kinematic Mount  
€43,50

Qty



### Frequently Purchased Together



#33-913 - 25mm Dia., Vacuum UV (VUV) Mirror  
€311,00

Qty



12

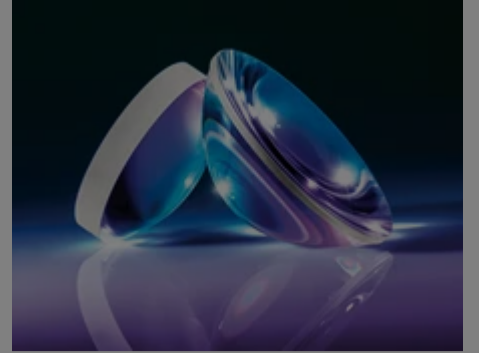
€99,00

Qty



Fluoride Window  
€347,00

Qty



#67-265 - 25mm Dia 0.63 NA, Uncoated, UV Fused Silica Aspheric Lens  
€579,00



























Qty

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## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	12.5/12.7mm Optic Dia., SM05 Thin Mount, M4	Fixed		#13-789	€19,50 Request Quote	10 In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed		#13-790	€19,50 Request Quote	17 In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-865	€43,50 Request Quote	6 In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed		#36-416	€59,00 Request Quote	17 In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed		#36-418	€59,00 Request Quote	10 In Stock <input type="text" value="1"/>
	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-850	€93,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-417	€96,50 Request Quote	20+ In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., Compact Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#34-720	€101,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	12.5/12.7mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-853	€104,00 Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder				€106,00	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 10.0 - 60.0 Optic Height, Metric Bar-Type Optic Holder					CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#34-721	€117,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-814	€161,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-817	€182,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-955	€261,00 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Lead Screw	Adjustable - Tip-Tilt		#13-768	€270,00 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Micrometer	Adjustable - Tip-Tilt		#13-769	€289,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-958	€429,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 

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Check out our full selection of mounts [here](#).

# Resources

Media Type

 CASE STUDIES

Laser Optics  
for Eye  
Surgery

 TRENDING IN OPTICS

 CASE STUDIES

- Scientific Paper
- Application Note
- FAQ
- Glossary
- Video

**Increasing Challenges for Sourcing Laser Optics...**

**Using IR Spectroscopy for Counterfeit Drug Detection**

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**Ultraviolet fatigue testing of laser optics**

**UV Optics: Tighter Tolerances and Different...**

**APPLICATION NOTE**

**Why Laser Damage Testing is Critical for UV...**

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