

**TECHSPEC® 50.0mm Dia. 248nm 45°, Excimer Laser Line Mirror**



TECHSPEC Excimer Laser Line Mirrors

Stock #63-120 **14 In Stock**

⊖ 1 ⊕ £310<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£310.40 each
Qty 6-25	£275.20 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Laser Mirror **Type:**

**Note:**  
Extended exposure to moisture can affect performance, please contact us for more specific handling instructions.

**Physical & Mechanical Properties**

**Parallelism (arcmin):**

<3	<b>Clear Aperture (%):</b>
>90	
Ground	<b>Back Surface:</b>
50.00 +0.0/-0.2	<b>Diameter (mm):</b>
10.00 ±0.2	<b>Thickness (mm):</b>
<b>Optical Properties</b>	
10-5	<b>Surface Quality:</b>
99	<b>Reflection at DWL (%):</b>
R <sub>abs</sub> >99% @248nm	<b>Coating Specification:</b>
λ/10	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
Dielectric Mirror (248nm)	<b>Coating:</b>
248	<b>Design Wavelength DWL (nm):</b>
45	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Coming 7980)	<b>Substrate:</b> <input type="checkbox"/>
1.5 J/cm <sup>2</sup> @ 10ns	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
1.5 J/cm <sup>2</sup> @ 10ns by design	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 209:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- High Damage Threshold of up to 1.5 J/cm<sup>2</sup>
- Low Loss Dielectric Coatings
- Designed for 193nm and 248nm Lasers

TECHSPEC® Excimer Laser Line Mirrors have been optimized for use with high power excimer lasers. The mirrors are ideal for the most demanding UV applications. A precision UV grade fused silica substrate provides excellent thermal stability and low wavefront distortion. TECHSPEC® Excimer Laser Line Mirrors are offered in 12.5, 25, and 50mm diameters, with thicknesses of 6 or 10mm. These mirrors are available with DWL of 193nm or 248nm. All mirrors are designed for a 45° angle of incidence and feature very low polarization dependence. [Contact us](#) for custom 0° angle of incidence versions.

Our line of [TECHSPEC® laser line mirrors](#) are specially designed for even the most demanding laser applications. Combining laser-quality substrates of up to 10-5 surface quality, with a dense reflective coating, and a damage threshold specific to the laser type and wavelength, these mirrors are ideal for a wide range of applications requiring precision reflectivity and incredible durability. All TECHSPEC® laser line mirrors are designed to minimize scatter loss and to be easily mounted into any optical system.



## 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

## Custom

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](#).

## Compatible Mounts

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