

TECHSPEC<sup>®</sup> 12.5mm Dia. 193nm 45°, Excimer Laser Line Mirror



TECHSPEC Excimer Laser Line Mirrors

Stock **#47-982** 20+ In Stock

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+

€300<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €300,00 each                  |
| Qty 6+         | €262,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror

Type:

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

Note:

Physical & Mechanical Properties

Parallelism (arcmin):

|                               |                                |
|-------------------------------|--------------------------------|
| <3                            |                                |
| >90                           | Clear Aperture (%):            |
| Ground                        | Back Surface:                  |
| 12.50 +0.0/-0.2               | Diameter (mm):                 |
| 6.00 ±0.2                     | Thickness (mm):                |
| Optical Properties            |                                |
| 10-5                          | Surface Quality:               |
| 97                            | Reflection at DWL (%):         |
| R <sub>abs</sub> >97% @ 193nm | Coating Specification:         |
| λ/10                          | Surface Flatness (P-V):        |
| Dielectric                    | Coating Type:                  |
| Dielectric Mirror (193nm)     | Coating:                       |
| 193                           | Design Wavelength DWL (nm):    |
| 45                            | Angle of Incidence (°):        |
| Fused Silica (Corning 7980)   | Substrate: □                   |
| 1.5 J/cm <sup>2</sup> @ 10ns  | Damage Threshold, By Design: □ |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | REACH 241:                  |

## 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.

LASER OPTICS

MADE BY EDMUND OPTICS®



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## 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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