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TECHSPEC® 1064nm, 45°, 50.8mm Dia., 9.53mm Thick, Nd:YAG IBS Laser Line Mirror



Stock #12-550 **6 In Stock**

⊖ 1 ⊕ £380.⁰⁰

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Volume Pricing	
Qty 1-5	£380.00 each
Qty 6-25	£334.40 each
Qty 26-49	£298.40 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

80 **Clear Aperture (%):**

Commercial Polish	Back Surface:
50.80 +0.00/-0.10	Diameter (mm):
9.53 ±0.20	Thickness (mm):

Optical Properties

10-5	Surface Quality:
R _s >99.95% @ 1064nm	Coating Specification:
λ/8	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror, IBS (1064nm)	Coating:
1064	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
15 J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, Certified: <input type="checkbox"/>

Regulatory Compliance

View	Certificate of Conformance:
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Need different specs or modifications?

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](#).

Product Details

- Up to 99.98% Reflectivity
- Certified High Laser Damage Threshold at DWL up to 15 J/cm² @ 1064nm
- **Superpolished** Substrates Available with Parts per Million Level Scattering Performance
- Additional Sizes Coming Soon

TECHSPEC® High Performance Nd:YAG Laser Line Mirrors are coated using ion beam sputtering (IBS) technology. These laser mirrors are designed for extremely demanding laser applications that require the highest reflection at their design wavelength. The Ion Beam Sputtered coating causes these mirrors to have lower surface roughness than competing coating technologies, resulting in less scatter. TECHSPEC® High Performance Nd:YAG Laser Line Mirrors feature high environmental stability due to dense coating films. Environmental factors such as temperature and humidity cause negligible performance degradation.

Please contact us if your application requires an IBS Laser Line Mirror with custom dimensions or a custom IBS mirror coating.



Superpolished Optics for Minimized Scatter

[Learn More](#)

Compatible Mounts