

TECHSPEC® 12.5mm 355nm, Laser Line $\lambda/20$ High Tolerance Right Angle Mirror



Stock **#37-648** **4 In Stock**

- 1 + **A\$424^{.00}**

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| Volume Pricing | |
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| Qty 1-5 | A\$424.00 each |
| Qty 6-25 | A\$339.20 each |
| Qty 26-49 | A\$320.00 each |
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Product Downloads

General

Right Angle Mirror **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Dimensional Tolerance (mm):
+0.00/-0.10

Length of Hypotenuse (mm):
17.70

Length of Legs (mm):
12.50

Optical Properties

Coating:
Laser Mirror (355nm)

Surface Flatness (P-V):
 $\lambda/20$

Design Wavelength DWL (nm):
355

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

Coating Specification:
 $R_{\text{abs}} > 99.8\%$ @ 355nm @ 45° AOI
 $R_{\text{avg}} > 99.5\%$ @ 351 - 358nm @ 45° AOI

Surface Quality:
20-10

Damage Threshold, Reference:
 $1\text{MW}/\text{cm}^2$ @ 355nm

Pyramid Tolerance (arcmin):
 ± 1

Angle Tolerance (arcsec):
 ± 15

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 209:
[Compliant](#)

Certificate of Conformance:
[View](#)

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

- >99.5% Reflectivity at the Design Wavelength
- ± 15 Arcsecond Angular Tolerance
- High Thermal Stability Substrates

TECHSPEC® Laser Line $\lambda/20$ High Tolerance Right Angle Mirrors are designed at Nd:YAG wavelengths with durable, high reflectivity dielectric coatings. Right angle mirrors are easily mounted and integrated into systems that redirect light 90°. With ± 15 arcsecond angular tolerance and ± 1 arcminute pyramid tolerance, these laser line mirrors simplify alignment when mounting. TECHSPEC® Laser Line $\lambda/20$ High Tolerance Right Angle Mirrors feature laser induced damage threshold specifications making them ideal for demanding laser applications.

LASER OPTICS MADE BY EDMUND OPTICS®

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