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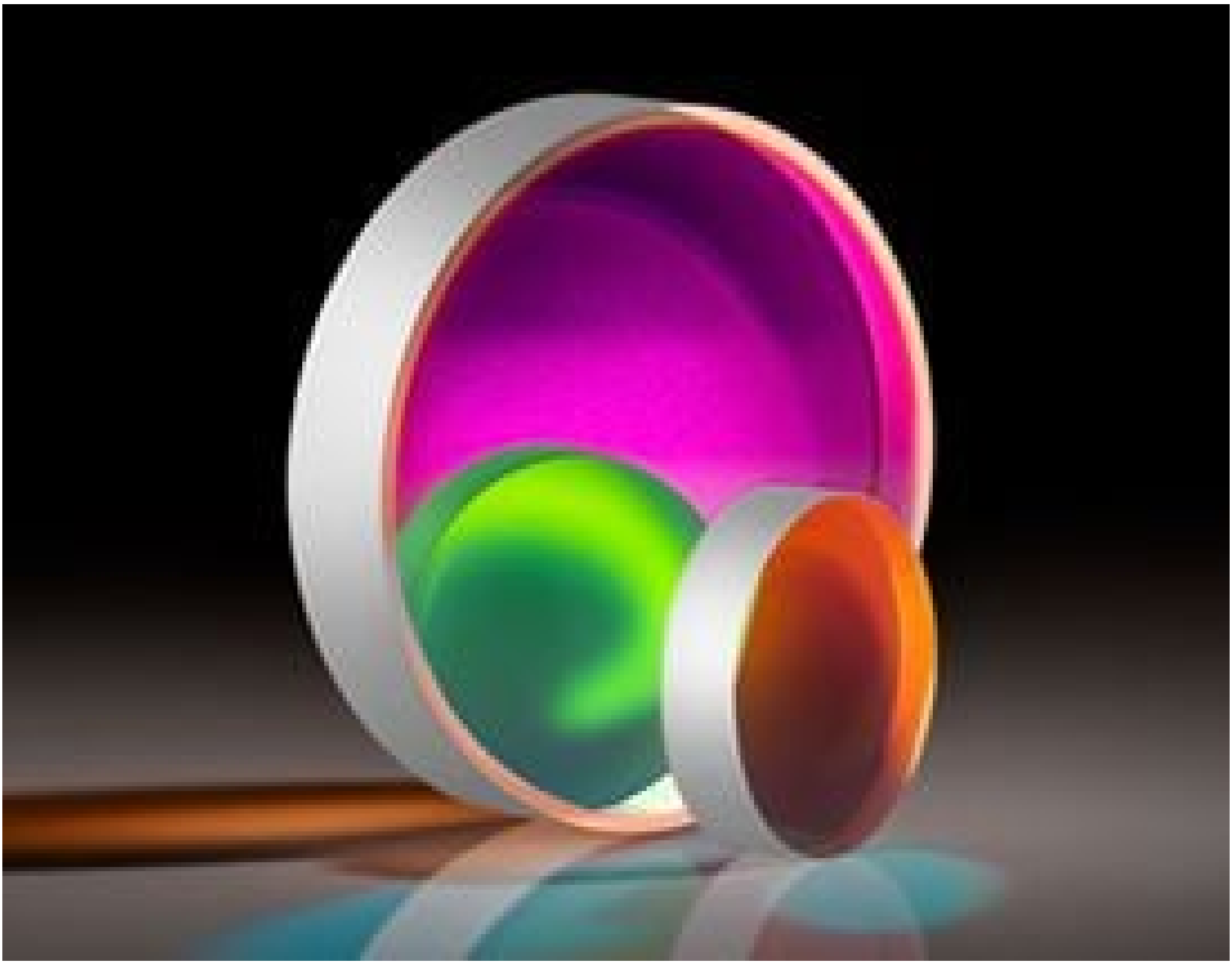
25.4mm Dia. 1030nm 45°, Low Cost Laser Line Mirror



Stock **#11-018** **10 In Stock**

- 1 + **C$180**.60

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Volume Pricing	
Qty 1-10	**C$180.60** each
Qty 11-49	**C$161.00** each
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Product Downloads

General

Type:
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):
<3

Clear Aperture (%):
90

Back Surface:
Commercial Polish

Diameter (mm):
25.40 +0.0/-0.1

Thickness (mm):
6.35 ±0.2

Optical Properties

Surface Quality:
20-10

Reflection at DWL (%):
99

Coating Specification:
R_{abs} >99% @ 1030nm

Surface Flatness (P-V):
λ/10

Coating Type:
Dielectric

Coating:
Laser Mirror (1030nm)

Design Wavelength DWL (nm):
1030

Angle of Incidence (°):
45

Substrate:
N-BK7

Damage Threshold, By Design:
5 J/cm^2 @ 1030nm, 20ns, 20Hz

Environmental & Durability Factors

Durability:
MIL-C-675C

Regulatory Compliance

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

- >97% Reflectivity at Design Wavelength
- Up to λ/10 Surface Accuracy
- Excellent Cost to Performance Ratio
- Designs for Nd:YAG, Yb:YAG, and Diode Lasers

Low Cost Laser Line Mirrors are ideal for optical systems requiring cost-effective laser mirrors that do not compromise on performance. These mirrors feature N-BK7 or fused silica substrates, 20-10 surface quality, and up to λ/10 surface accuracy. With most mirrors providing >99% reflectance at their design wavelength, these mirrors are an ideal replacement for metallic coated mirrors in laser optical systems that require mirrors with higher reflectivity and higher laser damage thresholds. Low Cost Laser Line Mirrors are designed for either a 0° or 45° angle of incidence with coating options for Nd:YAG (266nm, 355nm, 532nm, 1064nm), Yb:YAG (515nm, 1030nm), or diode (488nm, 808nm, 850nm, 980nm) lasers.

Compatible Mounts

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