

TECHSPEC® 125mm Diameter Enhanced Aluminum Coated, $\lambda/10$ Mirror



Stock #70-924 **2 In Stock**

MRP ₹99,881

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹99,881 each
Qty 6-25	₹80,208 each
Qty 26-49	₹75,164 each
Need More?	Request Quote

Product Downloads

General

Flat Mirror Type:

Physical & Mechanical Properties

125.00 Diameter (mm):

12.50 ±0.20 Thickness (mm):

Commercial Polish	Back Surface:
Protective as needed	Bevel:
90	Clear Aperture (%):
Ground	Edges:
30	Parallelism (arcsec):

Optical Properties

0.45 - 0.65	Wavelength Range (µm):
Metal	Coating Type:
Enhanced Aluminum (450-650nm)	Coating:
λ/10	Surface Flatness (P-V):
450 - 650	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
R _{avg} >95% @ 450 - 650nm	Coating Specification:
20-10	Surface Quality:
0.2 J/cm ² @ 532nm, 10ns	Damage Threshold, Reference: □

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

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

- Precision Fused Silica Substrate
- Variety of Sizes and Coating Options Available
- Low Coefficient of Thermal Expansion

TECHSPEC® λ/10 First Surface Mirrors are ideal for demanding beam steering and reflection applications in the visible and IR spectra. With a precision fused silica substrate, the mirrors feature a low coefficient of thermal expansion while being highly durable and resistant to abrasion. These precision mirrors are available in a variety of sizes and coating options, including enhanced aluminum, protected gold, and protected silver. These coatings allow for improved handling of the component, increased durability of the metal coating, and protection from oxidation with little impact to the performance on the metal coating. TECHSPEC® λ/10 First Surface Mirrors can be utilized in various optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

Note: Surface flatness is measured before coating.

Coating Curves

