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TECHSPEC® 51mm Dia. Protected Aluminum, $\lambda/4$ Mirror



Stock #33-511 [CONTACT US](#)

- 1 + S\$107⁸⁰

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Volume Pricing	
Qty 1-5	S\$107.80 each
Qty 6-25	S\$86.10 each
Qty 26-49	S\$81.20 each
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Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

51.00 **Diameter (mm):**

13.00 +1.0/-0.0 **Thickness (mm):**

	Back Surface:
Fine Grind	
	Bevel:
Protective as needed	
	Clear Aperture (%):
85	
	Dimensional Tolerance (mm):
+0.5/-0.0	
	Edges:
Fine Ground	

Optical Properties

	Wavelength Range (µm):
0.4 - 2.0	
	Coating Type:
Metal	
	Coating:
Protected Aluminum (400-2000nm)	
	Surface Flatness (P-V):
λ/4	
	Wavelength Range (nm):
400 - 2000	
	Substrate: <input type="checkbox"/>
BOROFLOAT®	
	Coating Specification:
R _{avg} >85% @ 400 - 700nm R _{avg} >90% @ 400 - 2000nm	
	Surface Quality:
60-40	
	Damage Threshold, Reference: <input type="checkbox"/>
0.3 J/cm ² @ 532nm & 1064nm, 10ns	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 247:
Compliant	

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

- Available in a Wide Range of Sizes and Shapes
- Precision Metallic Mirror Coatings
- [Contact Us](#) for Custom Sizes

TECHSPEC® λ/4 First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The coated surface should be oriented to reflect incident light. TECHSPEC λ/4 First Surface Mirrors are offered in circular, square, and rectangular dimensions. First surface mirrors are ideal for applications requiring the mirror to be mounted at 45° in order to produce a 90° bend in the light path. These first surface mirrors easily mount into a [range of optical mounts](#) to facilitate application integration. The mirrors have available coatings of enhanced aluminum, protected aluminum, protected silver, and protected gold.

Note: Surface flatness is measured before coating.

A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

Compatible Mounts