

TECHSPEC®

Elliptical Mirror 31.75mm Minor Axis Enhanced Aluminum



Stock #32-133 4 In Stock

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1

+

₹9,498

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Volume Pricing	
Qty 1-5	₹9,498 each
Qty 6-25	₹7,590 each
Qty 26-49	₹7,162 each
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General	
Flatness specification is Peak to Valley	Note:
Flat Mirror	Type:

Physical & Mechanical Properties	
31.75	Minor Axis (mm):

44.91	Major Axis (mm):
±0.38	Dimensional Tolerance (mm):
±0.015	Dimensional Tolerance (inches):
28.56 (Minor Axis) 40.41 (Major Axis)	Clear Aperture CA (mm):
9.53 ±0.76	Thickness (mm):
±0.030	Thickness Tolerance (inches):

Optical Properties	
λ/8	Surface Flatness (P-V):
BOROFLOAT®	Substrate: □
60-40	Surface Quality:
R _{avg} >95% @450 - 650nm	Coating Specification:
Enhanced Aluminum (450-650nm)	Coating:
Metal	Coating Type:
0.45 - 0.65	Wavelength Range (μm):
450 - 650	Wavelength Range (nm):
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	Imported By:

Product Details

See Figure A in Technical Information tab for dimensional diagram.

- Circular Profile When Oriented at 45°
- Ideal for Redirecting Light
- Multiple Sizes and Coatings Offered

TECHSPEC® λ/8 Precision Elliptical Flat Mirrors are ideal for research and astronomical applications. Because of their elongated major axis, they are suited to bending and folding light at precise angles with minimum wavefront distortion. These mirrors have a circular profile when they are oriented at 45°. TECHSPEC® λ/8 Precision Elliptical Flat Mirrors feature a BOROFLOAT® substrate. Multiple sizes and coating options are offered to best suit a wide range of applications.

Technical Information

Fig.	Minor Axis (mm)	Major Axis (mm)	Thickness (mm)	Stock No.					
				Uncoated	Protected Aluminum	UV Enhanced Aluminum	Enhanced Aluminum	Protected Gold	Protected Silver
B	12.70	17.96	3.81	#32-270	#32-271	#43-573	#32-272	#32-273	#89-454
B	22.23	31.42	6.35	#32-093	#30-836	#43-574	#32-131	#32-085	#89-455
B	26.97	38.15	6.35	#32-094	#30-837	#43-575	#32-132	#32-086	#89-456
A	31.75	44.91	9.53	#32-095	#30-205	#43-576	#32-133	#32-087	#89-457
A	38.10	53.87	9.53	#32-096	#30-258	#43-577	#32-134	#32-088	#89-458
A	47.63	67.36	11.68	#32-097	#30-840	#43-578	#32-135	#32-089	#89-459
B	57.15	80.82	15.88	#32-098	#41-131	#43-579	#32-136	#32-090	#89-460

B	66.68	94.28	15.88	#32-099	#42-583	#43-580	#32-137	#32-091	#89-461
B	76.20	107.77	19.05	#32-100	#42-584	#43-581	#32-138	#32-092	#89-462

Fig. A

Diagram of a coated lens (Fig. A) showing major and minor axes, and application thickness. The lens is elliptical with a blue gradient. A vertical double-headed arrow on the left is labeled 'Major Axis'. A horizontal double-headed arrow at the bottom is labeled 'Minor Axis'. A red arrow points from the lens to a vertical rectangle labeled 'App. Thick'.

Fig. B

Diagram of a coated lens (Fig. B) showing major and minor axes, and application thickness. The lens is elliptical with a blue gradient. A vertical double-headed arrow on the left is labeled 'Major Axis'. A horizontal double-headed arrow at the bottom is labeled 'Minor Axis'. A red arrow points from the lens to a vertical rectangle labeled 'App. Thick'.

Coating Curves

Custom

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](#).