

TECHSPEC® Elliptical Mirror 47.63mm Minor Axis Uncoated



Stock #32-097 **20+ In Stock**

− 1 + £156.⁰⁰

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Volume Pricing	
Qty 1-5	£156.00 each
Qty 6-25	£124.80 each
Qty 26-49	£117.60 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Flatness specification is Peak to Valley **Note:**

Physical & Mechanical Properties

±0.040 **Thickness Tolerance (inches):**

11.68 ±1.02	Thickness (mm):
42.88 (Minor Axis) 60.63 (Major Axis)	Clear Aperture CA (mm):
±0.015	Dimensional Tolerance (inches):
±0.38	Dimensional Tolerance (mm):
67.36	Major Axis (mm):
47.63	Minor Axis (mm):

Optical Properties

Uncoated	Coating Type:
Uncoated	Coating:
λ/8	Surface Flatness (P-V):
BOROFLOAT®	Substrate: <input type="checkbox"/>
60-40	Surface Quality:

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

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

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
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Fig. A and Fig. B are technical diagrams of optical components. Each diagram shows a circular cross-section with a blue gradient, a vertical 'Major Axis' dimension line, a horizontal 'Minor Axis' dimension line, and a side view showing 'App. Thick' (apparent thickness). Red arrows indicate the direction of light rays passing through the components.

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