

TECHSPEC[®] Elliptical Mirror 47.63mm Minor Axis Protected Gold



Stock **#32-089** 5 In Stock

-

1

+

£191^{.20}

ADD TO CART

Volume Pricing	
Qty 1-5	£191.20 each
Qty 6-25	£153.60 each
Qty 26-49	£144.00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Flatness specification is Peak to Valley

Note:

Flat Mirror	Type:
Physical & Mechanical Properties	
47.63	Minor Axis (mm):
67.36	Major Axis (mm):
±0.38	Dimensional Tolerance (mm):
±0.015	Dimensional Tolerance (inches):
42.88 (Minor Axis) 60.63 (Major Axis)	Clear Aperture CA (mm):
11.68 ±1.02	Thickness (mm):
±0.040	Thickness Tolerance (inches):
Optical Properties	
λ/8	Surface Flatness (P-V):
	Substrate: ☐
60-40	Surface Quality:
R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Coating Specification:
Protected Gold (700-10000nm)	Coating:
Metal	Coating Type:
0.7 - 10	Wavelength Range (μm):
700 - 10000	Wavelength Range (nm):
0.8 J/cm ² @ 1064nm, 10ns	Damage Threshold, Reference: ☐
Regulatory Compliance	
	RoHS 2015:
	Certificate of Conformance:
	Reach 247:

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

