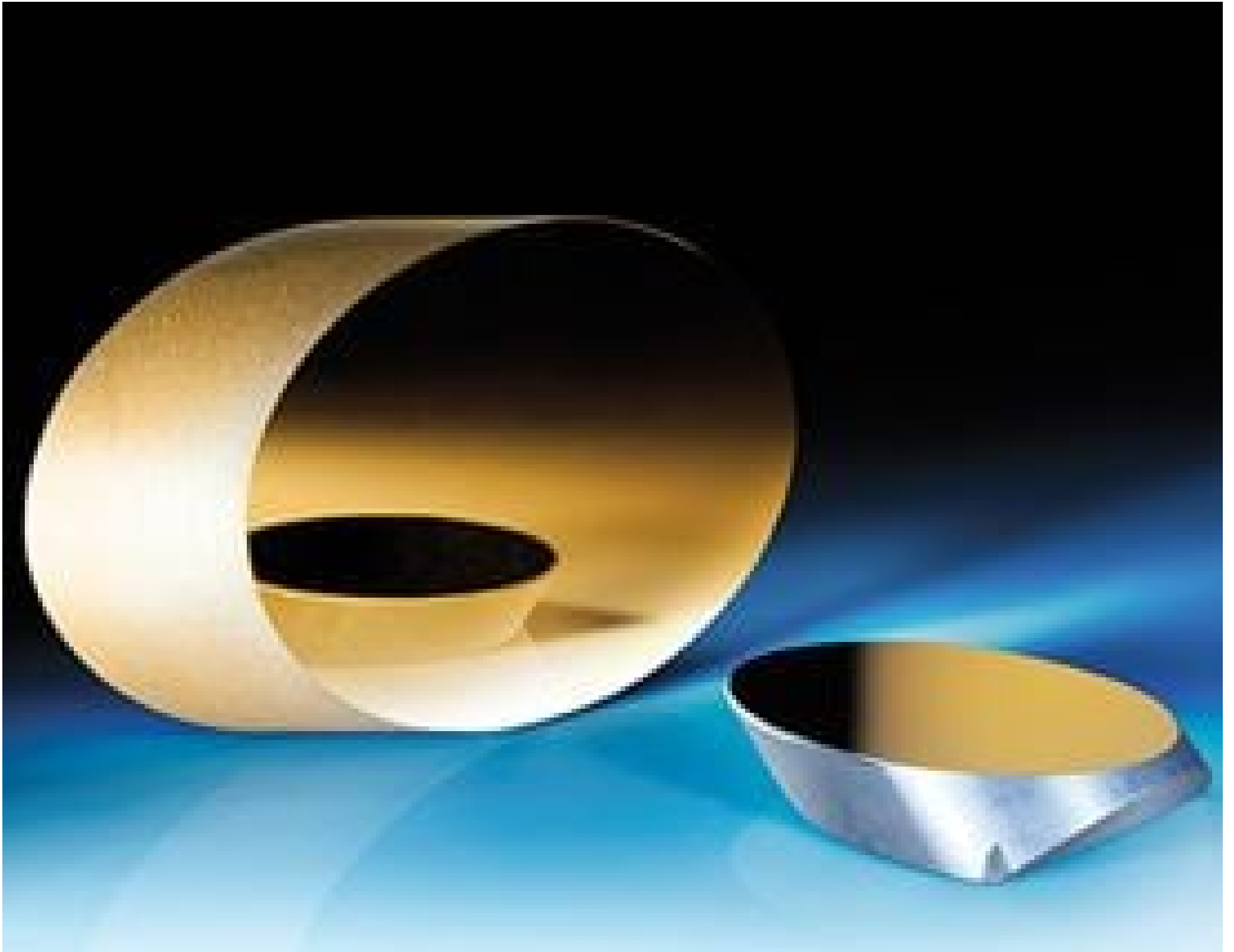


TECHSPEC® Elliptical Mirror 12.7mm Minor Axis UV Enhanced Aluminum



Stock #43-573 **4 In Stock**

- 1 + **\$133ST**

ADD TO CART

Volume Pricing	
Qty 1-5	\$133.67 each
Qty 6-25	\$106.78 each
Qty 26-49	\$100.06 each
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SPECIFICATIONS

General

Flatness specification is Peak to Valley **Note:**
Flat Mirror **Type:**

Physical & Mechanical Properties

12.70 **Minor Axis (mm):**

17.96 **Major Axis (mm):**

±0.38 **Dimensional Tolerance (mm):**

±0.015 **Dimensional Tolerance (inches):**

11.43 (Minor Axis)
16.15 (Major Axis) **Clear Aperture CA (mm):**

3.81 ±0.51 **Thickness (mm):**

±0.020 **Thickness Tolerance (inches):**

Optical Properties

λ/8 **Surface Flatness (P-V):**

Substrate:
BOROFLOAT®

60-40 **Surface Quality:**

Coating Specification:
R_{avg} >89% @ 250 - 450nm
R_{avg} >85% @ 250 - 700nm

Enhanced Aluminum (250-700nm) **Coating:**

Metal **Coating Type:**

0.25 - 0.7 **Wavelength Range (μm):**

250 - 700 **Wavelength Range (nm):**

0.5 J/cm² @ 355nm, 10ns **Damage Threshold, Reference:**

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

PRODUCT DETAILS

See Figure B in Technical Information tab for dimensional diagram.

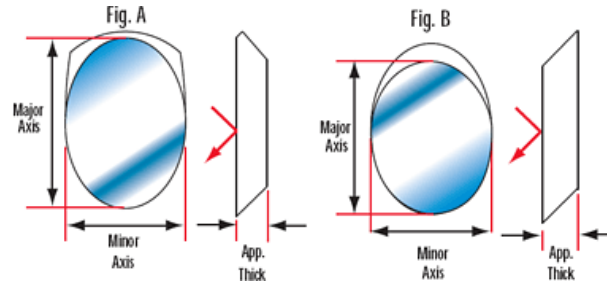
- Circular Profile When Oriented at 45°
- Ideal for Redirecting Light
- Multiple Sizes and Coatings Offered

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



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](#).