

TECHSPEC<sup>®</sup> Elliptical Mirror 12.7mm Minor Axis Protected Aluminum



Stock **#32-271** [CONTACT US](#)

-

1

+

₹6,539

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹6,539 each                   |
| Qty 6-25       | ₹5,216 each                   |
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| General                                  |       |
|------------------------------------------|-------|
| Flat Mirror                              | Type: |
| Flatness specification is Peak to Valley | Note: |

| Physical & Mechanical Properties |                               |
|----------------------------------|-------------------------------|
| ±0.020                           | Thickness Tolerance (inches): |

|                                          |                                 |
|------------------------------------------|---------------------------------|
| 3.81 ±0.51                               | Thickness (mm):                 |
| 11.43 (Minor Axis)<br>16.15 (Major Axis) | Clear Aperture CA (mm):         |
| ±0.015                                   | Dimensional Tolerance (inches): |
| ±0.38                                    | Dimensional Tolerance (mm):     |
| 17.96                                    | Major Axis (mm):                |
| 12.70                                    | Minor Axis (mm):                |

|                                                                                     |                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Optical Properties                                                                  |                                                                                                                  |
| 0.4 - 2                                                                             | Wavelength Range (µm):                                                                                           |
| Metal                                                                               | Coating Type:                                                                                                    |
| Protected Aluminum (400-2000nm)                                                     | Coating:                                                                                                         |
| λ/8                                                                                 | Surface Flatness (P-V):                                                                                          |
| 400 - 2000                                                                          | Wavelength Range (nm):                                                                                           |
|  | Substrate:                    |
| R <sub>avg</sub> >85% @400 - 700nm<br>R <sub>avg</sub> >90% @400 - 2000nm           | Coating Specification:                                                                                           |
| 60-40                                                                               | Surface Quality:                                                                                                 |
| 0.3 J/cm² @ 532nm & 1064nm, 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 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           | <a href="#">#32-270</a> | <a href="#">#32-271</a> | <a href="#">#43-573</a> | <a href="#">#32-272</a> | <a href="#">#32-273</a> | <a href="#">#89-454</a> |
| B    | 22.23           | 31.42           | 6.35           | <a href="#">#32-093</a> | <a href="#">#30-836</a> | <a href="#">#43-574</a> | <a href="#">#32-131</a> | <a href="#">#32-085</a> | <a href="#">#89-455</a> |
| B    | 26.97           | 38.15           | 6.35           | <a href="#">#32-094</a> | <a href="#">#30-837</a> | <a href="#">#43-575</a> | <a href="#">#32-132</a> | <a href="#">#32-086</a> | <a href="#">#89-456</a> |
| A    | 31.75           | 44.91           | 9.53           | <a href="#">#32-095</a> | <a href="#">#30-205</a> | <a href="#">#43-576</a> | <a href="#">#32-133</a> | <a href="#">#32-087</a> | <a href="#">#89-457</a> |
| A    | 38.10           | 53.87           | 9.53           | <a href="#">#32-096</a> | <a href="#">#30-258</a> | <a href="#">#43-577</a> | <a href="#">#32-134</a> | <a href="#">#32-088</a> | <a href="#">#89-458</a> |
| A    | 47.63           | 67.36           | 11.68          | <a href="#">#32-097</a> | <a href="#">#30-840</a> | <a href="#">#43-578</a> | <a href="#">#32-135</a> | <a href="#">#32-089</a> | <a href="#">#89-459</a> |

