

TECHSPEC® 12.5mm Dia x 12.5mm FL Acylinder Lens, Uncoated



TECHSPEC Acylinder Lenses

Stock **#86-031** **17 In Stock**

⊖ 1 ⊕ **\$\$954⁰⁰**

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Volume Pricing	
Qty 1-5	\$\$954.80 each
Qty 6-25	\$\$764.40 each
Qty 26-49	\$\$702.80 each
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General

Acylinder Lens **Type:**

Physical & Mechanical Properties

12.50 +0.0/-0.1 **Diameter (mm):**

5.50 **Center Thickness CT (mm):**

Center Thickness Tolerance (mm):

±0.1

Clear Aperture (%):

90.00

Edge Thickness ET (mm):

3.0

Optical Properties

Effective Focal Length EFL (mm):

12.50

Substrate:

N-SF5

f/#:

1.00

Numerical Aperture NA:

0.50

Coating:

Uncoated

Wavelength Range (nm):

380 - 2500

Back Focal Length BFL (mm):

9.2

Focal Length Specification Wavelength (nm):

587.6

Surface Accuracy, RMS (µm):

1.0

Surface Quality:

60-40

Regulatory Compliance

RoHS 2015:

Compliant

Reach 219:

Compliant

Certificate of Conformance:

[View](#)

Product Details

- Diffraction Limited Design
- Ideal for Creating Thin Line Profiles of Monochromatic Light Sources
- Focus Light in Single Dimension

TECHSPEC® Acylinder Lenses are similar to aspheric lenses in that they provide diffraction-limited focusing performance in only one dimension. By reducing spherical aberration along the focusing axis, TECHSPEC® Acylinder Lenses are ideal for creating thin line profiles. Compared to standard cylinder lenses, TECHSPEC® Acylinder Lenses also dramatically reduce the spot size of monochromatic light sources to provide sharp, thin lines.

LASER OPTICS MADE BY EDMUND OPTICS®

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Technical Information

