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TECHSPEC® 12.5mm Dia x 12.5mm FL Acylinder Lens, MgF₂ Coated



TECHSPEC Acylinder Lenses

Stock **#86-035** **3 In Stock**

⊖ 1 ⊕ **A\$1,136⁰⁰**

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Volume Pricing	
Qty 1-5	A\$1,136.00 each
Qty 6-25	A\$908.80 each
Qty 26-49	A\$838.40 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:

MgF₂ (400-700nm)

Wavelength Range (nm):

400 - 700

Back Focal Length BFL (mm):

9.2

Coating Specification:

R_{avg} ≤ 1.75% @ 400 - 700nm

Focal Length Specification Wavelength (nm):

587.6

Surface Accuracy, RMS (μm):

1.0

Surface Quality:

60-40

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

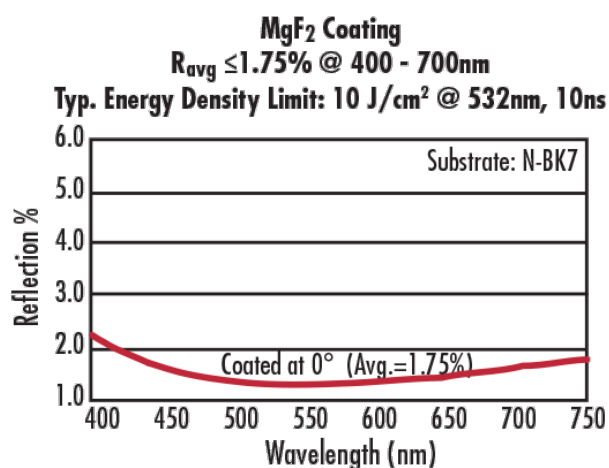
Product Details

- 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.

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Technical Information



Coating Curves

