

**TECHSPEC® 12.5mm Dia x 10mm FL Acylinder Lens, MgF<sub>2</sub> Coated**



TECHSPEC Acylinder Lenses

Stock **#86-034** **3 In Stock**

⊖ 1 ⊕ €710.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€710,00 each
Qty 6-25	€568,00 each
Qty 26-49	€524,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Acylinder Lens **Type:**

**Physical & Mechanical Properties**

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

**Center Thickness CT (mm):**

6.00

Center Thickness Tolerance (mm):

±0.1

Clear Aperture (%):

90.00

Edge Thickness ET (mm):

2.8

### Optical Properties

Effective Focal Length EFL (mm):

10.00

Substrate:

N-SF5

f#:

0.8

Numerical Aperture NA:

0.63

Coating:

MgF<sub>2</sub> (400-700nm)

Wavelength Range (nm):

400 - 700

Back Focal Length BFL (mm):

6.4

Coating Specification:

R<sub>avg</sub> ≤ 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](#)

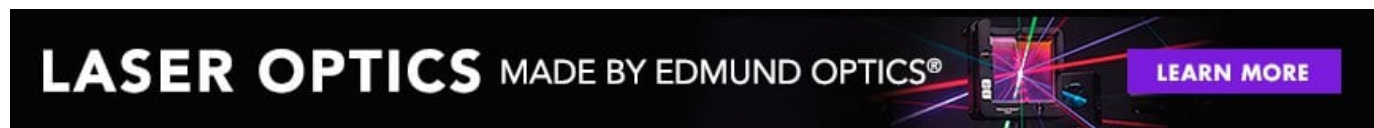
Reach 235:

Compliant

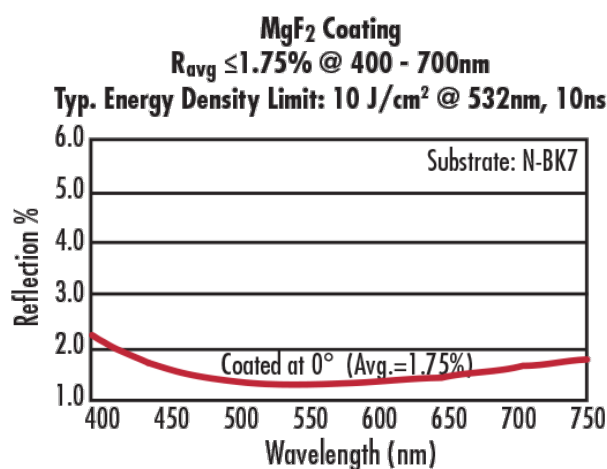
## Product Details

- 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.



## Technical Information



## Coating Curves

