

**TECHSPEC® 90mm Dia x 849.9mm FL Achromatic Lens, Mtd**



Stock #54-567 **8 In Stock**

⊖ 1 ⊕ €680<sup>00</sup>

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Volume Pricing	
Qty 1-5	€680,00 each
Qty 6-25	€580,00 each
Qty 26-49	€545,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Achromatic Lens **Type:**

**Physical & Mechanical Properties**

90.00 +0.00/-0.08 **Diameter (mm):**

72.00 **Clear Aperture CA (mm):**

5.00	Centering (arcmin):
13.08	Center Thickness CT 1 (mm):
10.16	Center Thickness CT 2 (mm):
-1227.86	Radius R <sub>4</sub> (mm):
23.07	Edge Thickness ET (mm):
Mounted, Airspaced 0.10mm	Construction:
Protective as needed	Bevel:

## Optical Properties

849.96	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
838.69	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
497.21	Radius R <sub>1</sub> (mm):
-345.82	Radius R <sub>2</sub> (mm):
-344.20	Radius R <sub>3</sub> (mm):
<a href="#">N-BK7 / N-SF2</a>	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
11.1	f#:
0.05	Numerical Aperture NA:
MgF <sub>2</sub> (400-700nm)	Coating:
R <sub>avg</sub> ≤ 1.75% @ 400 - 700nm	Coating Specification:
400 - 700	Wavelength Range (nm):

## Threading & Mounting

28.07	Mount Thickness (mm):
M86 x 1.0	Mounting Threads:

## Regulatory Compliance

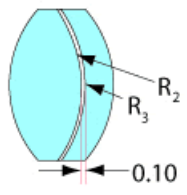
<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	REACH 241:

## Product Details

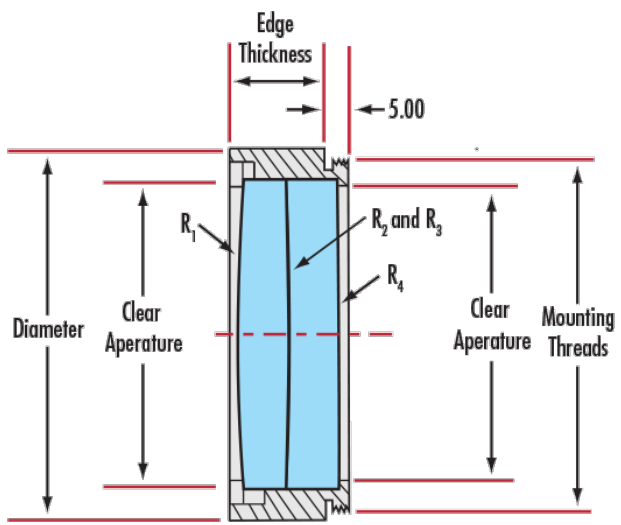
- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF<sub>2</sub> Anti-Reflection Coating

TECHSPEC® Large Precision Achromatic Lenses offer near-diffraction limited performance across the designated wavelength range. These color-corrected achromatic lenses feature long focal lengths and are available in either cemented or air-spaced designs. The lenses have a MgF<sub>2</sub> anti-reflection coating and are available in diameters up to 140mm. TECHSPEC® Large Precision Achromatic Lenses, in the mounted version, feature a male mounting thread for easy integration into optical systems. Adhesive foil spacers and mounting instructions are included for unmounted, air-spaced achromatic lenses.

## Technical Information



Airspaced



## Coating Curves