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TECHSPEC® 128mm Dia x 1900.2mm FL Achromatic Lens



Stock #70-163 [CONTACT US](#)

⊖ 1 ⊕ €1.450⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €1.450,00 each |
| Qty 6-25 | €1.305,00 each |
| Qty 26-49 | €1.230,00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Achromatic Lens **Type:**

Physical & Mechanical Properties

128.02 +0.00/-0.12 **Diameter (mm):**

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

| | |
|-----------------------------|------------------------------------|
| 5.00 | Centering (arcmin): |
| 15.42 | Center Thickness CT 1 (mm): |
| 10.92 | Center Thickness CT 2 (mm): |
| -2704.01 | Radius R₄ (mm): |
| 23.87 | Edge Thickness ET (mm): |
| Unmounted, Airspaced 0.10mm | Construction: |
| Protective as needed | Bevel: |

Optical Properties

| | |
|--|--|
| 1,900.24 | Effective Focal Length EFL (mm): |
| ±1 | Focal Length Tolerance (%): |
| 1887.58 | Back Focal Length BFL (mm): |
| 587.6 | Focal Length Specification Wavelength (nm): |
| 1,131.72 | Radius R₁ (mm): |
| -780.87 | Radius R₂ (mm): |
| -779.37 | Radius R₃ (mm): |
| N-BK7 / N-SF2 | Substrate: <input type="checkbox"/> |
| 60-40 | Surface Quality: |
| 14.8 | f#: |
| 0.03 | Numerical Aperture NA: |
| MgF ₂ (400-700nm) | Coating: |
| R _{avg} ≤ 1.75% @ 400 - 700nm | Coating Specification: |
| 400 - 700 | Wavelength Range (nm): |

Regulatory Compliance

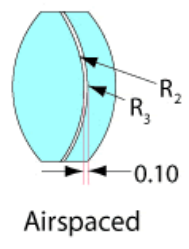
| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| Compliant | Reach 197: |
| View | Certificate of Conformance: |

Product Details

- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF₂ 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 MgF₂ 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



Coating Curves
