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TECHSPEC® 128mm Dia x 1900.2mm FL Achromatic Lens

Stock **#70-163** **1 In Stock**

- 1 + **€1.450**.00

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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
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):
128.02 +0.00/-0.12

Clear Aperture CA (mm):
124.50

Centering (arcmin):
5.00

Center Thickness CT 1 (mm):
15.42

Center Thickness CT 2 (mm):
10.92

Radius R_4 (mm):
-2704.01

Edge Thickness ET (mm):
23.87

Construction:
Unmounted, Airspaced 0.10mm

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
1,900.24

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
1887.58

Focal Length Specification Wavelength (nm):
587.6

Radius R_1 (mm):
1,131.72

Radius R_2 (mm):
-780.87

Radius R_3 (mm):
-779.37

Substrate:
N-BK7 / N-SF2

Surface Quality:
60-40

f/#:
14.8

Numerical Aperture NA:
0.03

Coating:
MgF_2 (400-700nm)

Coating Specification:
R_{avg} ≤1.75% @ 400 - 700nm

Wavelength Range (nm):
400 - 700

Regulatory Compliance

RoHS 2015:
Compliant

Reach 197:
Compliant

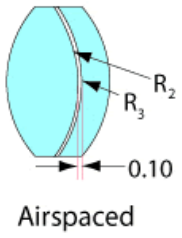
Certificate of Conformance:
View

Product Details

- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF_2 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



Airspaced

Coating Curves

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