TECHSPEC® 25mm Dia. x 25mm EFL Precision Aspherized Achromatic Lens

Stock **#85-302**   **11 In Stock**

(-)   1   (+)   **£1,065**⁶⁰

ADD TO CART

Volume Pricing	
Qty 1-5	**£1,065.60** each
Qty 6-25	**£960.80** each
Qty 26-49	**£934.40** each
Need More?	**Request Quote**

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1

Clear Aperture CA (mm):

22.5

Centering (arcmin):	
≤3	
Center Thickness CT (mm):	
25.00	
Center Thickness CT 1 (mm):	
17.00	
Center Thickness CT 2 (mm):	
8.0	
Edge Thickness ET (mm):	
16.92	

Optical Properties

Effective Focal Length EFL (mm):	
25.00	
Back Focal Length BFL (mm):	
16.40	
Focal Length Specification Wavelength (nm):	
587.6	
Substrate: ▯	
N-PK51 / S-NPH2	
Surface Quality:	
20-10	
f/#:	
1.00	
Numerical Aperture NA:	
0.50	
Coating:	
MgF_2 (400-700nm)	
Coating Specification:	
R_{avg} ≤1.75% @ 400 - 700nm	
Wavelength Range (nm):	
450 - 700	
Asphere Figure Error, RMS @ 632.8nm:	
0.8λ	

Regulatory Compliance

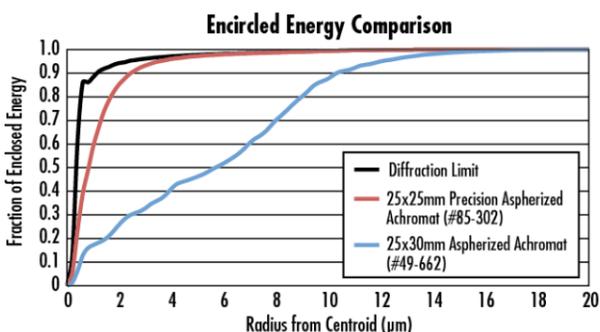|	
Certificate of Conformance:	
View	

Product Details

- All Glass Color-Corrected Asphere
- Ideal for Imaging and Biotech Applications
- MgF_2 Coated

Featuring an all glass design, TECHSPEC® Precision Aspherized Achromatic Lenses are truly achromatic, with less than 10μm of lateral chromatic aberration. These achromatic lenses are diffraction limited over the full visible spectrum, and have high numerical apertures for increased light throughput and small spot sizes. TECHSPEC® Precision Aspherized Achromatic Lenses are ideal for fluorescence microscopy, low signal-to-noise imaging applications, and multiple laser biotech applications.

Technical Information
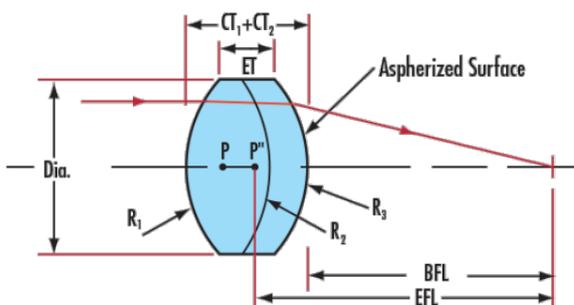
CT: Center Thickness, ET: Edge Thickness, R: Radius, P: Principal Plane, BFL: Back Focal Length, EFL: Effective Focal Length

Coating Curves

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