

TECHSPEC® 40mm Dia. x 500mm FL, VIS-NIR Coated, Achromatic Lens



Stock **#49-388** ☐ **In Stock**
[Other Coating Options](#)

1 **C\$252.00**

ADD TO CART

Qty 1-5
C\$252.00
Qty 6+
C\$201.60
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
40.00 +0.0/-0.025

Effective Focal Length EFL (mm):
500.00

Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 495.60
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 39.00
Centering (arcmin): <1
Center Thickness CT (mm): 10.00 ±0.20
Center Thickness CT 1 (mm): 6.00 ±0.10
Center Thickness CT 2 (mm): 4.00 ±0.10
Radius R₁ (mm): 305.31
Radius R₂ (mm): -224.08
Radius R₃ (mm): -667.68
Edge Thickness ET (mm): 9.04
Substrate: ☐ N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 12.5
Numerical Aperture NA: 0.04
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Bevel: Protective bevel as needed
Type: Achromatic Lens
Wavelength Range (nm): 400 - 1000

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View