

LightPath 390028 | 8mm Dia., 0.56 NA, BBAR (3000-5000nm), Molded IR Aspheric Lens

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Stock #87-178 3-4 DAYS

⊖ 1 ⊕

€410,00

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Diameter (mm):
8.00 ±0.015

Effective Focal Length EFL (mm):
5.95 @4100nm

Numerical Aperture NA:
0.56

Substrate:  Black Diamond™ BD-2 (Ge₂₈Sb₁₂Se₆₀)
Aspheric Design Wavelength (nm): 4100
Coating: BBAR (3000-5000nm)
Coating Specification: R_{avg} <1.0% @ 3 - 5μm
Surface Quality: 80-50
Clear Aperture CA (mm): 7.60
Edge Thickness ET (mm): 1.65
Center Thickness CT (mm): 2.50
f/#: 0.89
Bevel: Protective bevel as needed
Density (g/cm³): 4.68
Index of Refraction n_d @ 10μm: 2.6023
Index of Refraction n_d @ 14μm: 2.5843
Index of Refraction n_d @ 4μm: 2.6210
Index of Refraction n_d @ 5μm: 2.6173
Lightpath Lens Code: 390028
Thermo-optic coefficient dn/dT: 70 x 10⁻⁶/°C from -40° to +80°C (5 - 14 μm)
Transformation Temperature (°C): 285.00
Type: Aspheric Lens
Wavelength Range (nm): 3000 - 5000
Working Distance (mm): 5.00
Conjugate Distance: Infinite

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 233: Compliant