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LightPath 355440 | 4.7mm Dia., 0.50 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-134** CLEARANCE **17 In Stock**

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1

+

₹3,938

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Qty 1+	₹3,938 each
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General	
Thickness: 0.25 (t) (mm) Material: BK7	Compatible Window:
355440	Lightpath Lens Code:
Aspheric Lens	Type:
Finite Conjugate for Magnification	Typical Applications:

Note: NA, Object (mm): 0.26 WD, Image (mm): 7.09 WD, Object (mm): 2.71	
Physical & Mechanical Properties	
Diameter (mm):	4.70 ±0.020
Clear Aperture CA (mm):	4.12
Edge Thickness ET (mm):	2.68
Center Thickness CT (mm):	3.83 ±0.05
Bevel:	Protective as needed
Distance from Window to Lens (D) (mm):	1.962
Optical Properties	
Effective Focal Length EFL (mm):	2.76 @ 980nm
Numerical Aperture NA:	0.5
Substrate: □	D-ZLaF52LA
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	980
Coating:	BBAR (600-1050nm)
Coating Specification:	R _{abs} <1.0% @ 600 - 1050nm
Surface Quality:	40-20
f/#:	0.96
Wavelength Range (nm):	600 - 1050
Working Distance (mm):	7.09
Conjugate Distance:	Finite
Transmitted Wavefront Error (λ, RMS):	< 0.200
Environmental & Durability Factors	
Operating Temperature (°C):	≤200
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant
Country of Origin:	China
Imported By:	Edmund Optics India Private Limited

Product Details

- Eliminate Spherical Aberration
 - Multiple Coating Options Available
 - Range of Numerical Apertures
- LightPath® Geltech™ Molded Aspheric Lenses are used to eliminate spherical aberration and improve focusing and collimating accuracy in a variety of laser applications. Low NA aspheric lenses are designed to maintain beam shape, while high NA lenses gather all available light to maintain beam power over long distances. LightPath® Geltech™ Molded Aspheric Lenses are ideal for applications including sighting systems, bar code scanners, laser diode-to-fiber coupling, optical data storage, or biomedical lasers.

Technical Information

