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LightPath 354240 | 9.94mm Dia., 0.50 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#37-104** **17 In Stock**

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1

+

€99⁰⁰

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Volume Pricing	
Qty 1-10	€99,00 each
Qty 11-49	€89,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Thickness: 0.25 (t) (mm) Material: BK7	Compatible Window:
354240	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications:	
Collimate or Focus Laser Light	
Physical & Mechanical Properties	
Diameter (mm):	9.94 ±0.015
Clear Aperture CA (mm):	8
Edge Thickness ET (mm):	1.44
Center Thickness CT (mm):	3.43 ±0.05
Bevel:	Protective as needed
Distance from Window to Lens (D) (mm):	4.911
Optical Properties	
Effective Focal Length EFL (mm):	8.00 @ 780nm
Numerical Aperture NA:	0.5
Substrate: ☐	D-ZK3
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	780
Coating:	BBAR (1050-1600nm)
Coating Specification:	R _{abs} <1.0% @ 1050 - 1600nm
Surface Quality:	40-20
f/#:	1.00
Wavelength Range (nm):	1050 - 1600
Working Distance (mm):	5.9
Conjugate Distance:	Infinite
Transmitted Wavefront Error (λ, RMS):	< 0.08
Environmental & Durability Factors	
Operating Temperature (°C):	≤200
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

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



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