

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** **20+ In Stock**

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1

+

£81^{.85}

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Volume Pricing	
Qty 1-10	£81.85 each
Qty 11-49	£71.79 each
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SPECIFICATIONS

General

Thickness: 0.25 (t) (mm)

Compatible Window:

Material: BK7	
354240	Lightpath Lens Code:
Aspheric Lens	Type:
Collimate or Focus Laser Light	Typical Applications:
Physical & Mechanical Properties	
9.94 ±0.015	Diameter (mm):
8	Clear Aperture CA (mm):
1.44	Edge Thickness ET (mm):
3.43 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:
4.911	Distance from Window to Lens (D) (mm):
Optical Properties	
8.00 @ 780nm	Effective Focal Length EFL (mm):
0.5	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
780	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
1.00	f/#:
1050 - 1600	Wavelength Range (nm):
5.9	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.08	Transmitted Wavefront Error (λ, RMS):
Environmental & Durability Factors	
≤200	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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

