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LightPath 352240 | 9.94mm Dia., 0.50 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#47-144** CLEARANCE **20+ In Stock**

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1

+

€49^{.00}

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Volume Pricing	
Qty 1+	€49,00 each
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Product Downloads

General	
352240	Lightpath Lens Code:
Aspheric Lens	Type:
Collimate or Focus Laser Light	Typical Applications:
Physical & Mechanical Properties	

9.94 ±0.015	Diameter (mm):
8.00	Clear Aperture CA (mm):
1.56	Edge Thickness ET (mm):
3.69 ±0.04	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

8.00 @ 780nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
ECO-550	Substrate: □
±1	Focal Length Tolerance (%):
780	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
Diffraction Limited Transmitted Wavefront	Asphere Figure Error (μm RMS):
40-20	Surface Quality:
1.00	f/#:
350 - 700	Wavelength Range (nm):
5.92	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.040	Transmitted Wavefront Error (λ, RMS):

Environmental & Durability Factors

≤200	Operating Temperature (°C):
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Regulatory Compliance

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

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.

LASER OPTICS

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Technical Information



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