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LightPath 354350 | 4.7mm Dia., 0.43 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-580** **20+ In Stock**

[Other Coating Options](#)

-

1

+

€75⁰⁰

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Volume Pricing	
Qty 1-10	€75,00 each
Qty 11-49	€67,50 each
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⚠ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lightpath Lens Code:

354350

Type:

Aspheric Lens

Typical Applications:

Collimate or Focus Laser Light

Physical & Mechanical Properties	
4.70 ±0.015	Diameter (mm):
3.7	Clear Aperture CA (mm):
2.77	Edge Thickness ET (mm):
3.65 ±0.03	Center Thickness CT (mm):

Protective as needed	Bevel:
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Optical Properties	
4.50 @ 980nm	Effective Focal Length EFL (mm):
0.43	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
980	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
1.16	f/#:
1050 - 1600	Wavelength Range (nm):
2.2	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.07	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.

LASER OPTICS

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Technical Information



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