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LightPath 355390 | 4.5mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#66-927** **20+ In Stock**

[Other Coating Options](#)

-

1

+

£60⁰⁰

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Volume Pricing	
Qty 1-10	£60.00 each
Qty 11-49	£54.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lightpath Lens Code:

355390

Type:

Aspheric Lens

Typical Applications:

Collimate or Focus Laser Light

Physical & Mechanical Properties	
4.50 ±0.015	Diameter (mm):
3.6	Clear Aperture CA (mm):
1.13	Edge Thickness ET (mm):
1.90 ±0.04	Center Thickness CT (mm):

Protective as needed	Bevel:
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Optical Properties	
2.75 @ 830nm	Effective Focal Length EFL (mm):
0.55	Numerical Aperture NA:
D-ZLaF52LA	Substrate: □
±1	Focal Length Tolerance (%):
830	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
0.91	f/#:
1050 - 1600	Wavelength Range (nm):
2.16	Working Distance (mm):
Infinite	Conjugate Distance:
< 1.30	Transmitted Wavefront Error (λ, RMS):

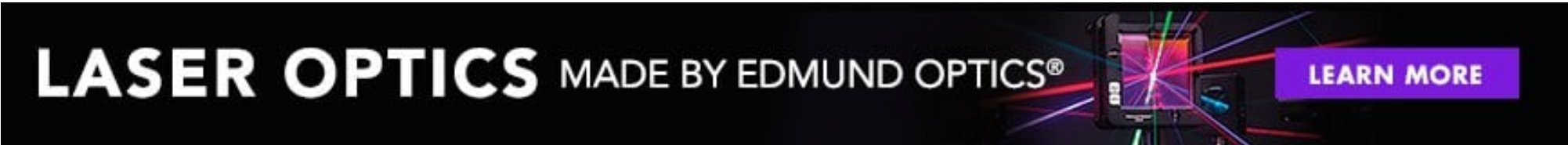
Environmental & Durability Factors	
≤200	Operating Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

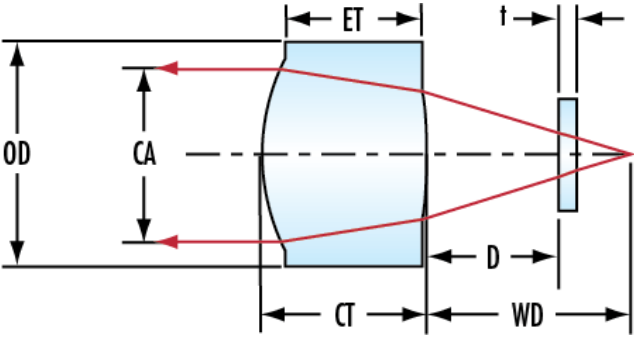
Product Details

- 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



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