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LightPath 354171 | 4.7mm Dia., 0.30 NA, BBAR (350-700nm), Molded Aspheric Lens

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Stock **#83-709** **20+ In Stock**

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-

1

+

£60⁰⁰

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Volume Pricing	
Qty 1-10	£60.00 each
Qty 11-49	£54.00 each
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General

354171

Lightpath Lens Code:

Aspheric Lens

Type:

Physical & Mechanical Properties

Diameter (mm):

4.70 ±0.015	
3.70	Clear Aperture CA (mm):
2.88	Edge Thickness ET (mm):
3.48 ±0.05	Center Thickness CT (mm):
	Bevel:
Protective as needed	

Optical Properties

6.20 @ 633nm	Effective Focal Length EFL (mm):
0.30	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
80-50	Surface Quality:
1.67	f/#:
350 - 700	Wavelength Range (nm):
4.100	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.070	Transmitted Wavefront Error (λ, RMS):

Regulatory Compliance

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

Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses’ anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

LASER OPTICS

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