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LightPath 354058 | 6.33mm Dia., 0.22 NA, Uncoated, Molded Aspheric Lens

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Stock #83-688 CLEARANCE 20+ In Stock

☐ Other Coating Options

-

1

+

€22.⁰⁰

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Volume Pricing	
Qty 1-10	€22,00 each
Qty 11-49	€20,00 each
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Product Downloads

General	
354058	Lightpath Lens Code:
Aspheric Lens	Type:

Physical & Mechanical Properties	
	Diameter (mm):

6.33 ±0.015	
	Clear Aperture CA (mm):
5.20	
	Edge Thickness ET (mm):
1.67	
	Center Thickness CT (mm):
2.40 ±0.05	

	Bevel:
Protective as needed	

Optical Properties

	Effective Focal Length EFL (mm):
12.00 @ 633nm	
	Numerical Aperture NA:
0.22	

	Substrate:
D-ZK3	
	Focal Length Tolerance (%):
±1	

	Aspheric Design Wavelength (nm):
633	
	Coating:
Uncoated	

	Surface Quality:
60-40	
	f/#:
2.27	

	Wavelength Range (nm):
350 - 2400	
	Working Distance (mm):
10.600	

	Conjugate Distance:
Infinite	
	Transmitted Wavefront Error (λ, RMS):
< 0.145	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	

	Reach 247:
Compliant	

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.

