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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 ⊕ **\$\$105<sup>00</sup>**

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Volume Pricing	
Qty 1-10	<b>\$\$105.00</b> each
Qty 11-49	<b>\$\$94.50</b> each
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## Product Downloads

### General

354171 **Lightpath Lens Code:**

Aspheric Lens **Type:**

### Physical & Mechanical Properties

4.70 ±0.015 **Diameter (mm):**

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

## Optical Properties

6.20 @ 633nm	Effective Focal Length EFL (mm):
0.30	Numerical Aperture NA:
<a href="#">D-ZK3</a>	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
$R_{avg} \leq 0.5\%$ @ 350 - 700nm	Coating Specification:
80-50	Surface Quality:
1.67	f#:
61.16	Abbe Number ( $v_d$ ):
1.589	Index of Refraction ( $n_d$ ):
350 - 700	Wavelength Range (nm):
4.100	Working Distance (mm):
Infinite	Conjugate Distance:
633.00	Focal Length Specification Wavelength (nm):
< 0.070	Transmitted Wavefront Error ( $\lambda$ , RMS):

## Material Properties

7.6	Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ):
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## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	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.

