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# LightPath 354059 | 6.33mm Dia., 0.19 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Stock #83-694 **20+ In Stock**

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⊖ 1 ⊕ **\$\$119<sup>00</sup>**

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Qty 11-49	<b>\$\$107.10</b> each
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**General**

354059 **Lightpath Lens Code:**

Aspheric Lens **Type:**

**Physical & Mechanical Properties**

6.33 ±0.015 **Diameter (mm):**

5.20	<b>Clear Aperture CA (mm):</b>
1.73	<b>Edge Thickness ET (mm):</b>
2.35 ±0.05	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

14.00 @633nm	<b>Effective Focal Length EFL (mm):</b>
0.19	<b>Numerical Aperture NA:</b>
D-ZK3	<b>Substrate:</b> <input type="checkbox"/>
±1	<b>Focal Length Tolerance (%):</b>
633	<b>Aspheric Design Wavelength (nm):</b>
BBAR (600-1050nm)	<b>Coating:</b>
R <sub>abs</sub> <1.0% @ 600 - 1050nm	<b>Coating Specification:</b>
60-40	<b>Surface Quality:</b>
2.63	<b>f#:</b>
61.16	<b>Abbe Number (v<sub>d</sub>):</b>
1.589	<b>Index of Refraction (n<sub>d</sub>):</b>
600 - 1050	<b>Wavelength Range (nm):</b>
12.600	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
633.00	<b>Focal Length Specification Wavelength (nm):</b>
<0.145	<b>Transmitted Wavefront Error (λ, RMS):</b>

## Material Properties

7.6	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## 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.

