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# LightPath 354350 | 4.7mm Dia., 0.43 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-579** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **A\$120<sup>00</sup>**

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Volume Pricing	
Qty 1-10	<b>A\$120.00</b> each
Qty 11-49	<b>A\$108.00</b> each
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Product Downloads

**General**

354350 **Lightpath Lens Code:**  
Aspheric Lens **Type:**

Collimate or Focus Laser Light **Typical Applications:**

**Physical & Mechanical Properties**

4.70 ±0.015	<b>Diameter (mm):</b>
3.7	<b>Clear Aperture CA (mm):</b>
2.77	<b>Edge Thickness ET (mm):</b>
3.65 ±0.04	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

4.50 @ 980nm	<b>Effective Focal Length EFL (mm):</b>
0.43	<b>Numerical Aperture NA:</b>
<a href="#">D-ZK3</a>	<b>Substrate:</b> <input type="checkbox"/>
±1	<b>Focal Length Tolerance (%):</b>
980	<b>Aspheric Design Wavelength (nm):</b>
BBAR (600-1050nm)	<b>Coating:</b>
$R_{\text{abs}} < 1.0\%$ @ 600 - 1050nm	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
1.16	<b>f#:</b>
60.88	<b>Abbe Number (<math>v_d</math>):</b>
1.586	<b>Index of Refraction (<math>n_d</math>):</b>
600 - 1050	<b>Wavelength Range (nm):</b>
2.2	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
980.00	<b>Focal Length Specification Wavelength (nm):</b>
< 0.07	<b>Transmitted Wavefront Error (<math>\lambda</math>, RMS):</b>

## Material Properties

7.6	<b>Coefficient of Thermal Expansion CTE (<math>10^{-6}/^{\circ}\text{C}</math>):</b>
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## Environmental & Durability Factors

≤200	<b>Operating Temperature (<math>^{\circ}\text{C}</math>):</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

- 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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