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# LightPath 355375 | 6.51mm Dia., 0.30 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-129** **20+ In Stock**

[Other Coating Options](#)

⊖ 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**

Thickness: 0.250 (t) (mm)  
Material: BK7

**Compatible Window:**

355375

**Lightpath Lens Code:**

Aspheric Lens

**Type:**

Collimate or Focus Laser Light

Typical Applications:

## Physical & Mechanical Properties

6.51 ±0.020 Diameter (mm):

4.54 Clear Aperture CA (mm):

2.71 Edge Thickness ET (mm):

3.19 ±0.04 Center Thickness CT (mm):

Protective as needed Bevel:

5.151 Distance from Window to Lens (D) (mm):

## Optical Properties

7.50 @ 780nm Effective Focal Length EFL (mm):

0.30 Numerical Aperture NA:

[D-ZLaF52LA](#) Substrate: □

±1 Focal Length Tolerance (%):

780 Aspheric Design Wavelength (nm):

BBAR (350-700nm) Coating:

R<sub>avg</sub> ≤0.5% @ 350 - 700nm Coating Specification:

40-20 Surface Quality:

1.67 f#:

40.79 Abbe Number (v<sub>d</sub>):

1.806 Index of Refraction (n<sub>d</sub>):

350 - 700 Wavelength Range (nm):

5.8 Working Distance (mm):

Infinite Conjugate Distance:

780.00 Focal Length Specification Wavelength (nm):

< 0.05 Transmitted Wavefront Error (λ, RMS):

## Material Properties

6.9 Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):

## Environmental & Durability Factors

≤200 Operating Temperature (°C):

## Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) Reach 247:

## 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



### Technical Information

