

# LightPath 354105 | 7.2mm Dia., 0.56 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-147** **10 In Stock**

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⊖ 1 ⊕ £71<sup>00</sup>

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Qty 1-10	£71.20 each
Qty 11-49	£64.00 each
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## SPECIFICATIONS

### General

Thickness: 0.25 (t) (mm)

Compatible Window:

Material: BK7

354105 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

### Physical & Mechanical Properties

7.20 ±0.020 **Diameter (mm):**

6 **Clear Aperture CA (mm):**

1.29 **Edge Thickness ET (mm):**

2.94 ±0.03 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

3.091 **Distance from Window to Lens (D) (mm):**

### Optical Properties

5.50 @633nm **Effective Focal Length EFL (mm):**

0.56 **Numerical Aperture NA:**

**D-ZK3** **Substrate:**

±1 **Focal Length Tolerance (%):**

633 **Aspheric Design Wavelength (nm):**

BBAR (1050-1600nm) **Coating:**

$R_{abs} < 1.0\%$  @ 1050 - 1600nm **Coating Specification:**

40-20 **Surface Quality:**

0.89 **f#:**

1050 - 1600 **Wavelength Range (nm):**

3.7 **Working Distance (mm):**

Infinite **Conjugate Distance:**

< 0.07 **Transmitted Wavefront Error ( $\lambda$ , RMS):**

### 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 diode-to-fiber coupling, optical data storage, or biomedical lasers.

## TECHNICAL INFORMATION

