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# LightPath 355392 | 4mm Dia., 0.60 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-627** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ £60.<sup>00</sup>

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Volume Pricing	
Qty 1-10	£60.00 each
Qty 11-49	£54.00 each
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## Product Downloads

### General

355392 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

## Physical & Mechanical Properties

4.00 ±0.015 **Diameter (mm):**

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

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

2.24 ±0.02 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

## Optical Properties

2.75 @ 830nm **Effective Focal Length EFL (mm):**

0.60 **Numerical Aperture NA:**

[D-ZLaF52LA](#) **Substrate:** □

±1 **Focal Length Tolerance (%):**

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

BBAR (600-1050nm) **Coating:**

$R_{abs} < 1.0\%$  @ 600 - 1050nm **Coating Specification:**

40-20 **Surface Quality:**

0.78 **f#:**

40.79 **Abbe Number ( $v_d$ ):**

1.806 **Index of Refraction ( $n_d$ ):**

600 - 1050 **Wavelength Range (nm):**

1.5 **Working Distance (mm):**

Infinite **Conjugate Distance:**

830.00 **Focal Length Specification Wavelength (nm):**

< 0.16 **Transmitted Wavefront Error ( $\lambda$ , RMS):**

## Material Properties

6.9 **Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ):**

## Environmental & Durability Factors

≤200 **Operating Temperature ( $^{\circ}\text{C}$ ):**

## 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

