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LightPath 355330 | 6.33mm Dia., 0.77 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-674** **20+ In Stock**

⊖ 1 ⊕ £95⁰⁰

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Volume Pricing

Qty 1-10	£95.20 each
Qty 11-49	£85.60 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

355330 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

6.33 ±0.015 **Diameter (mm):**

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

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

2.71 ±0.02 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Optical Properties

3.10 @ 830nm **Effective Focal Length EFL (mm):**

0.77 **Numerical Aperture NA:**

[D-ZLaF52LA](#) **Substrate:** □

±1 **Focal Length Tolerance (%):**

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

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

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

40-20 **Surface Quality:**

0.65 **f/#:**

40.79 **Abbe Number (v_d):**

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

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

1.59 **Working Distance (mm):**

Infinite **Conjugate Distance:**

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

< 0.50 **Transmitted Wavefront Error (λ , 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

