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# LightPath 354330 | 6.33mm Dia., 0.68 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-166** **16 In Stock**

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⊖ 1 ⊕ £68<sup>00</sup>

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Volume Pricing	
Qty 1-10	£68.00 each
Qty 11-49	£61.20 each
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ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

354330 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

## Physical & Mechanical Properties

6.33 ±0.020 Diameter (mm):

5 Clear Aperture CA (mm):

1.56 Edge Thickness ET (mm):

3.21 ±0.03 Center Thickness CT (mm):

Protective as needed Bevel:

## Optical Properties

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

0.68 Numerical Aperture NA:

[D-ZK3](#) 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:

0.74 f#:

60.88 Abbe Number ( $v_d$ ):

1.586 Index of Refraction ( $n_d$ ):

600 - 1050 Wavelength Range (nm):

1.8 Working Distance (mm):

Infinite Conjugate Distance:

830.00 Focal Length Specification Wavelength (nm):

< 0.20 Transmitted Wavefront Error ( $\lambda$ , RMS):

## Material Properties

7.6 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

