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LightPath 354430 | 2mm Dia., 0.15 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#48-145** **20+ In Stock**

⊖ 1 ⊕ £68⁰⁰

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Volume Pricing	
Qty 1-10	£68.00 each
Qty 11-49	£61.20 each
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General

354430 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

2.00 ±0.015 **Diameter (mm):**

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

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

1.01 ±0.05 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Optical Properties

5.00 @ 1550nm **Effective Focal Length EFL (mm):**

0.15 **Numerical Aperture NA:**

D-ZK3 **Substrate:** □

±1 **Focal Length Tolerance (%):**

1550 **Aspheric Design Wavelength (nm):**

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

R_{avg} <1.0% @ 600 - 1050nm **Coating Specification:**

40-20 **Surface Quality:**

3.33 **f/#:**

50.22 **Abbe Number (v_d):**

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

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

4.37 **Working Distance (mm):**

Infinite **Conjugate Distance:**

1550.00 **Focal Length Specification Wavelength (nm):**

<0.17 **Transmitted Wavefront Error (λ, RMS):**

Material Properties

11.1 **Coefficient of Thermal Expansion CTE (10⁻⁶/°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 diode-to-fiber coupling, optical data storage, or biomedical lasers.

Technical Information

