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# LightPath 354350 | 4.7mm Dia., 0.43 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-580** **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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ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

354350 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

## Physical & Mechanical Properties

4.70 ±0.015 Diameter (mm):

3.7 Clear Aperture CA (mm):

2.77 Edge Thickness ET (mm):

3.65 ±0.03 Center Thickness CT (mm):

Protective as needed Bevel:

## Optical Properties

4.50 @ 980nm Effective Focal Length EFL (mm):

0.43 Numerical Aperture NA:

D-ZK3 Substrate: □

±1 Focal Length Tolerance (%):

980 Aspheric Design Wavelength (nm):

BBAR (1050-1600nm) Coating:

R<sub>abs</sub> <1.0% @ 1050 - 1600nm Coating Specification:

40-20 Surface Quality:

1.16 f#:

1050 - 1600 Wavelength Range (nm):

2.2 Working Distance (mm):

Infinite Conjugate Distance:

< 0.07 Transmitted Wavefront Error (λ, 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.

**LASER OPTICS** MADE BY EDMUND OPTICS®

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Technical Information

