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# LightPath 355160 | 4mm Dia., 0.55 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-606** **9 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **\$\$105<sup>00</sup>**

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Volume Pricing	
Qty 1-10	<b>\$\$105.00</b> each
Qty 11-49	<b>\$\$94.50</b> each
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Product Downloads

**General**

Thickness: 1.20 (t) (mm)  
Material: Polycarbonate

Compatible Window:

Lightpath Lens Code:

355160

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

## Physical & Mechanical Properties

4.00 ±0.015 Diameter (mm):

3 Clear Aperture CA (mm):

0.71 Edge Thickness ET (mm):

1.43 ±0.05 Center Thickness CT (mm):

Protective as needed Bevel:

1.170 Distance from Window to Lens (D) (mm):

## Optical Properties

2.73 @ 780nm Effective Focal Length EFL (mm):

0.55 Numerical Aperture NA:

[D-ZLaF52LA](#) Substrate: □

±1 Focal Length Tolerance (%):

780 Aspheric Design Wavelength (nm):

BBAR (600-1050nm) Coating:

R<sub>abs</sub> <1.0% @ 600 - 1050nm Coating Specification:

40-20 Surface Quality:

0.91 f#:

40.79 Abbe Number (v<sub>d</sub>):

1.806 Index of Refraction (n<sub>d</sub>):

600 - 1050 Wavelength Range (nm):

2.37 Working Distance (mm):

Infinite Conjugate Distance:

780.00 Focal Length Specification Wavelength (nm):

< 0.09 Transmitted Wavefront Error (λ, RMS):

## Material Properties

6.9 Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°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



### Technical Information

