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# LightPath 355561 | 15mm Dia., 0.60 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#37-105 11 In Stock**

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⊖ 1 ⊕ €85.<sup>00</sup>

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Volume Pricing	
Qty 1-10	€85,00 each
Qty 11-49	€76,50 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

355561 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

## Physical & Mechanical Properties

15.00 ±0.015 **Diameter (mm):**

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

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

5.38 ±0.05 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

## Optical Properties

10.00 @ 850nm **Effective Focal Length EFL (mm):**

0.60 **Numerical Aperture NA:**

[D-ZLaF52LA](#) **Substrate:** □

±1 **Focal Length Tolerance (%):**

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

BBAR (350-700nm) **Coating:**

$R_{avg} \leq 0.5\%$  @ 350 - 700nm **Coating Specification:**

60-40 **Surface Quality:**

0.83 **f#:**

40.79 **Abbe Number ( $v_d$ ):**

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

350 - 700 **Wavelength Range (nm):**

7 **Working Distance (mm):**

Infinite **Conjugate Distance:**

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

< 0.40 **Transmitted Wavefront Error ( $\lambda$ , 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:**

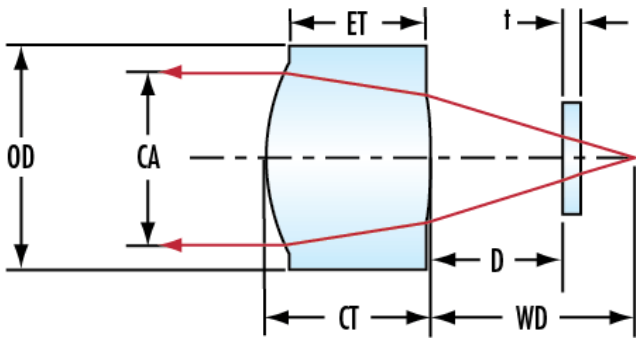
[Compliant](#) **Reach 247:**

## 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



## Compatible Mounts