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# LightPath 354115 | 9.2mm Dia., 0.54 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#16-691** **20+ In Stock**

- 1 + €89.00

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| Qty 1-10 | **€89,00** each |
| Qty 11-49 | **€80,00** each |
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Product Downloads

## General

**Compatible Window:**
Thickness: 0.25 (t) (mm) Material: BK7

**Lightpath Lens Code:**
354115

**Type:**
Aspheric Lens

**Typical Applications:**

Collimate or Focus Laser Light

## Physical & Mechanical Properties

**Diameter (mm):**
9.20 ±0.015

**Clear Aperture CA (mm):**
7

**Edge Thickness ET (mm):**
2.15

**Center Thickness CT (mm):**
4.08 ±0.02

**Bevel:**
Protective as needed

## Optical Properties

**Effective Focal Length EFL (mm):**
6.75 @ 633nm

**Numerical Aperture NA:**
0.54

**Substrate:**
D-ZK3

**Focal Length Tolerance (%):**
±1

**Aspheric Design Wavelength (nm):**
633

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

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

**Surface Quality:**
60-40

**f/#:**
0.93

**Abbe Number ($v_d$):**
61.15

**Index of Refraction ($n_d$):**
1.589

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

**Working Distance (mm):**
4.3

**Conjugate Distance:**
Infinite

**Focal Length Specification Wavelength (nm):**
633

**Transmitted Wavefront Error (λ, RMS):**
<0.087

## Material Properties

**Coefficient of Thermal Expansion CTE ($10^{-6}$/°C):**
7.6

## Environmental & Durability Factors

**Operating Temperature (°C):**
≤200

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Certificate of Conformance:**
View

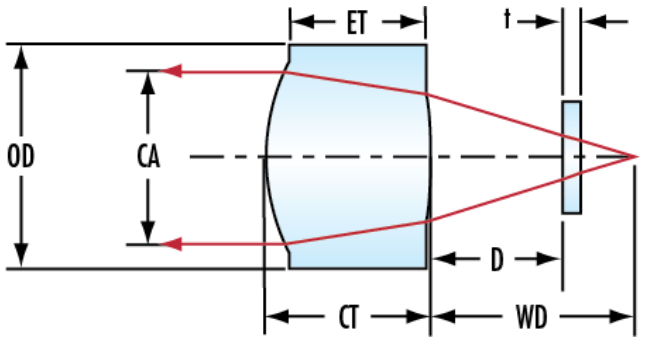
**Reach 247:**
Compliant

# 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

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