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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 MRP ₹8,980

1 Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹8,980 each
Qty 11-49	₹8,071 each
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General

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

Lightpath Lens Code:
354115

Type:
Aspheric Lens

Typical Applications:

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 PropertiesCoefficient 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](#)

Country of Origin:

China

Imported By:

Edmund Optics India Private Limited
 267, Greystone Building, Second Floor,
 6th Cross Rd, Binnamangala,
 Stage 1, Indiranagar, Bengaluru,
 Karnataka, India 560038
 Phone: +91- 80-6845 0000

- 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

