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LightPath 354120 | 4.99mm Dia., 0.15 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock #16-689 **14 In Stock**

MRP ₹8,576

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹8,576 each
Qty 11-49	₹7,718 each
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General

354120 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

4.99 ±0.015	Diameter (mm):
4.5	Clear Aperture CA (mm):
2.61	Edge Thickness ET (mm):
2.92 ±0.03	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

15.04 @670nm	Effective Focal Length EFL (mm):
0.15	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
670	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
$R_{avg} \leq 0.5\%$ @ 350 - 700nm	Coating Specification:
40-20	Surface Quality:
3.33	f#:
61.15	Abbe Number (v_d):
1.589	Index of Refraction (n_d):
350 - 700	Wavelength Range (nm):
13.19	Working Distance (mm):
Infinite	Conjugate Distance:
670	Focal Length Specification Wavelength (nm):
<0.076	Transmitted Wavefront Error (λ, RMS):

Material Properties

7.6	Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):
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Environmental & Durability Factors

≤200	Operating Temperature ($^{\circ}\text{C}$):
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Regulatory Compliance

View	Certificate of Conformance:
China	Country of Origin:
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	Imported By:

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

