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# LightPath 354171 | 4.7mm Dia., 0.30 NA, BBAR (350-700nm), Molded Aspheric Lens

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Stock #83-709 **20+ In Stock**

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1  MRP ₹7,567

Price inclusive of all taxes

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Qty 1-10	₹7,567 each
Qty 11-49	₹6,810 each
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## Product Downloads

### General

354171 **Lightpath Lens Code:**

Aspheric Lens **Type:**

### Physical & Mechanical Properties

4.70 ±0.015 **Diameter (mm):**

3.70	<b>Clear Aperture CA (mm):</b>
2.88	<b>Edge Thickness ET (mm):</b>
3.48 ±0.05	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

6.20 @633nm	<b>Effective Focal Length EFL (mm):</b>
0.30	<b>Numerical Aperture NA:</b>
<b>D-ZK3</b>	<b>Substrate:</b> □
±1	<b>Focal Length Tolerance (%):</b>
633	<b>Aspheric Design Wavelength (nm):</b>
BBAR (350-700nm)	<b>Coating:</b>
$R_{avg} \leq 0.5\%$ @ 350 - 700nm	<b>Coating Specification:</b>
80-50	<b>Surface Quality:</b>
1.67	<b>f/#:</b>
61.16	<b>Abbe Number (<math>v_d</math>):</b>
1.589	<b>Index of Refraction (<math>n_d</math>):</b>
350 - 700	<b>Wavelength Range (nm):</b>
4.100	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
633.00	<b>Focal Length Specification Wavelength (nm):</b>
< 0.070	<b>Transmitted Wavefront Error (<math>\lambda</math>, RMS):</b>

## Material Properties

7.6	<b>Coefficient of Thermal Expansion CTE (<math>10^{-6}/^{\circ}\text{C}</math>):</b>
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## Regulatory Compliance

<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>
China	<b>Country of Origin:</b>
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	<b>Imported By:</b>

## Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses' anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

**LASER OPTICS** MADE BY EDMUND OPTICS®



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