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# LightPath 354140 | 2.4mm Dia., 0.58 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-615** [CONTACT US](#)

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- 1 + MRP ₹7,567

**i** Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹7,567 each
Qty 11-49	₹6,810 each
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**General**

354140 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

## Physical & Mechanical Properties

2.40 ±0.015	<b>Diameter (mm):</b>
1.6	<b>Clear Aperture CA (mm):</b>
0.48	<b>Edge Thickness ET (mm):</b>
1.02 ±0.03	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

1.45 @ 780nm	<b>Effective Focal Length EFL (mm):</b>
0.58	<b>Numerical Aperture NA:</b>
<b>D-ZK3</b>	<b>Substrate:</b> <input type="checkbox"/>
±1	<b>Focal Length Tolerance (%):</b>
780	<b>Aspheric Design Wavelength (nm):</b>
BBAR (1050-1600nm)	<b>Coating:</b>
R <sub>abs</sub> <1.0% @ 1050 - 1600nm	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
0.86	<b>f/#:</b>
60.88	<b>Abbe Number (v<sub>d</sub>):</b>
1.586	<b>Index of Refraction (n<sub>d</sub>):</b>
1050 - 1600	<b>Wavelength Range (nm):</b>
0.81	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
780.00	<b>Focal Length Specification Wavelength (nm):</b>
< 0.07	<b>Transmitted Wavefront Error (λ, RMS):</b>

## Material Properties

7.6	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
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## Environmental & Durability Factors

≤200	<b>Operating Temperature (°C):</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

- 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

