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# LightPath 354430 | 2mm Dia., 0.15 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock #48-145 **20+ In Stock**

⊖ 1 ⊕ C\$119<sup>00</sup>

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Volume Pricing	
Qty 1-10	C\$119.00 each
Qty 11-49	C\$107.10 each
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**General**

354430 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

**Physical & Mechanical Properties**

2.00 ±0.015	<b>Diameter (mm):</b>
1.6	<b>Clear Aperture CA (mm):</b>
0.86	<b>Edge Thickness ET (mm):</b>
1.01 ±0.05	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

5.00 @ 1550nm	<b>Effective Focal Length EFL (mm):</b>
0.15	<b>Numerical Aperture NA:</b>
D-ZK3	<b>Substrate:</b> <input type="checkbox"/>
±1	<b>Focal Length Tolerance (%):</b>
1550	<b>Aspheric Design Wavelength (nm):</b>
BBAR (600-1050nm)	<b>Coating:</b>
R <sub>avg</sub> <1.0% @ 600 - 1050nm	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
3.33	<b>f#:</b>
50.22	<b>Abbe Number (v<sub>d</sub>):</b>
1.603	<b>Index of Refraction (n<sub>d</sub>):</b>
600 - 1050	<b>Wavelength Range (nm):</b>
4.37	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
1550.00	<b>Focal Length Specification Wavelength (nm):</b>
<0.17	<b>Transmitted Wavefront Error (λ, RMS):</b>

## Material Properties

11.1	<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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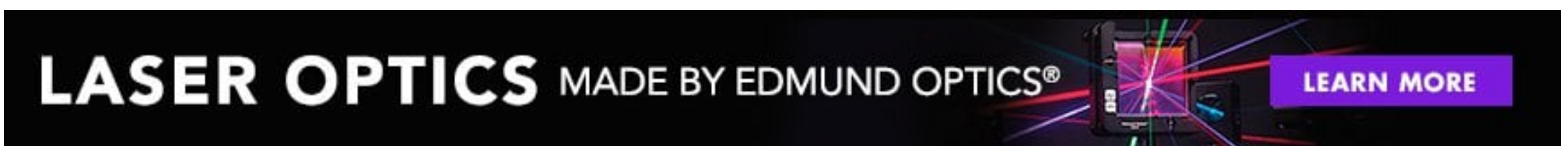
## Regulatory Compliance

Compliant	<b>RoHS 2015:</b>
View	<b>Certificate of Conformance:</b>
Compliant	<b>Reach 247:</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



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