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LightPath 354330 | 6.33mm Dia., 0.68 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-166** **16 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **A\$136⁰⁰**

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Volume Pricing	
Qty 1-10	A\$136.00 each
Qty 11-49	A\$122.40 each
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Product Downloads

General

354330 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

6.33 ±0.020	Diameter (mm):
5	Clear Aperture CA (mm):
1.56	Edge Thickness ET (mm):
3.21 ±0.03	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

3.10 @ 830nm	Effective Focal Length EFL (mm):
0.68	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
830	Aspheric Design Wavelength (nm):
BBAR (600-1050nm)	Coating:
$R_{\text{abs}} < 1.0\%$ @ 600 - 1050nm	Coating Specification:
40-20	Surface Quality:
0.74	f#:
60.88	Abbe Number (v_d):
1.586	Index of Refraction (n_d):
600 - 1050	Wavelength Range (nm):
1.8	Working Distance (mm):
Infinite	Conjugate Distance:
830.00	Focal Length Specification Wavelength (nm):
< 0.20	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

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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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