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LightPath 355375 | 6.51mm Dia., 0.30 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-131** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ A\$120⁰⁰

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Volume Pricing	
Qty 1-10	A\$120.00 each
Qty 11-49	A\$108.00 each
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Product Downloads

General

Thickness: 0.250 (t) (mm)
Material: BK7

Compatible Window:

355375

Lightpath Lens Code:

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

Physical & Mechanical Properties

6.51 ±0.020 Diameter (mm):

4.54 Clear Aperture CA (mm):

2.71 Edge Thickness ET (mm):

3.19 ±0.04 Center Thickness CT (mm):

Protective as needed Bevel:

5.151 Distance from Window to Lens (D) (mm):

Optical Properties

7.50 @ 780nm Effective Focal Length EFL (mm):

0.30 Numerical Aperture NA:

[D-ZLaF52LA](#) Substrate: □

±1 Focal Length Tolerance (%):

780 Aspheric Design Wavelength (nm):

BBAR (1050-1600nm) Coating:

R_{abs} <1.0% @ 1050 - 1600nm Coating Specification:

40-20 Surface Quality:

1.67 f#:

40.79 Abbe Number (v_d):

1.806 Index of Refraction (n_d):

1050 - 1600 Wavelength Range (nm):

5.8 Working Distance (mm):

Infinite Conjugate Distance:

780.00 Focal Length Specification Wavelength (nm):

< 0.05 Transmitted Wavefront Error (λ, RMS):

Material Properties

6.9 Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Environmental & Durability Factors

≤200 Operating Temperature (°C):

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



Technical Information

