

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

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1

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C\$119^{.00}

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Qty 1-10	C\$119.00 each
Qty 11-49	C\$107.10 each
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SPECIFICATIONS

General

354430	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications: Collimate or Focus Laser Light	
Physical & Mechanical Properties	
Diameter (mm):	2.00 ±0.015
Clear Aperture CA (mm):	1.6
Edge Thickness ET (mm):	0.86
Center Thickness CT (mm):	1.01 ±0.05
Bevel:	Protective as needed
Optical Properties	
Effective Focal Length EFL (mm):	5.00 @ 1550nm
Numerical Aperture NA:	0.15
Substrate: 	D-ZK3
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	1550
Coating:	BBAR (600-1050nm)
Coating Specification:	R _{avg} <1.0% @ 600 - 1050nm
Surface Quality:	40-20
f/#:	3.33
Wavelength Range (nm):	600 - 1050
Working Distance (mm):	4.37
Conjugate Distance:	Infinite
Transmitted Wavefront Error (λ, RMS):	< 0.17
Environmental & Durability Factors	
Operating Temperature (°C):	≤200
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

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.

LASER OPTICS

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TECHNICAL INFORMATION

