

[See all 77 Products in Family](#)

LightPath 354340 | 6.33mm Dia., 0.64 NA, BBAR (1050-1600nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock **#87-163** **20+ In Stock**

[Other Coating Options](#)

-

1

+

A\$136⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$136.00 each
Qty 11-49	A\$122.40 each
Need More?	Request Quote

Product Downloads

General	
Thickness: 1.20 (t) (mm) Material: BK7	Compatible Window:
354340	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications: Collimate or Focus Laser Light	
Physical & Mechanical Properties	
Diameter (mm):	6.33 ±0.020
Clear Aperture CA (mm):	5.1
Edge Thickness ET (mm):	1.48
Center Thickness CT (mm):	3.10 ±0.03
Bevel:	Protective as needed
Distance from Window to Lens (D) (mm):	1.483
Optical Properties	
Effective Focal Length EFL (mm):	4.03 @ 685nm
Numerical Aperture NA:	0.64
Substrate: □	D-ZK3
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	685
Coating:	BBAR (1050-1600nm)
Coating Specification:	R _{abs} <1.0% @ 1050 - 1600nm
Surface Quality:	40-20
f/#:	0.78
Wavelength Range (nm):	1050 - 1600
Working Distance (mm):	2.68
Conjugate Distance:	Infinite
Transmitted Wavefront Error (λ, RMS):	< 0.08
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.





;