

[See all 14 Products in Family](#)

LightPath 354058 | 6.33mm Dia., 0.22 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Stock **#83-690** 20+ In Stock

[Other Coating Options](#)

-

1

+

S\$119⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	S\$119.00 each
Qty 11-49	S\$107.10 each
Need More?	Request Quote

Product Downloads

General	
354058	Lightpath Lens Code:
Aspheric Lens	Type:

Physical & Mechanical Properties	
6.33 ±0.015	Diameter (mm):

5.20	Clear Aperture CA (mm):
1.67	Edge Thickness ET (mm):
2.40 ±0.05	Center Thickness CT (mm):

Protective as needed	Bevel:
----------------------	--------

Optical Properties

12.00 @ 633nm	Effective Focal Length EFL (mm):
0.22	Numerical Aperture NA:

D-ZK3	Substrate: ☐
±1	Focal Length Tolerance (%):

633	Aspheric Design Wavelength (nm):
BBAR (600-1050nm)	Coating:

R _{abs} <1.0% @ 600 - 1050nm	Coating Specification:
60-40	Surface Quality:

2.27	f##:
61.16	Abbe Number (v _d):

1.589	Index of Refraction (n _d):
600 - 1050	Wavelength Range (nm):

10.600	Working Distance (mm):
Infinite	Conjugate Distance:

633.00	Focal Length Specification Wavelength (nm):
< 0.145	Transmitted Wavefront Error (λ, RMS):

Material Properties

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

Regulatory Compliance

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

Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses’ anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

