

[See all 14 Products in Family](#)

LightPath 354059 | 6.33mm Dia., 0.19 NA, BBAR (350-700nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Stock #83-693 **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

354059 Lightpath Lens Code:

Aspheric Lens Type:

Physical & Mechanical Properties

6.33 ±0.015 Diameter (mm):

5.20	Clear Aperture CA (mm):
1.73	Edge Thickness ET (mm):
2.35 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

14.00 @633nm	Effective Focal Length EFL (mm):
0.19	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
$R_{avg} \leq 0.5\%$ @ 350 - 700nm	Coating Specification:
60-40	Surface Quality:
2.63	f#:
61.16	Abbe Number (v_d):
1.589	Index of Refraction (n_d):
350 - 700	Wavelength Range (nm):
12.600	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 ($10^{-6}/^{\circ}\text{C}$):
-----	--

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.

