

[See all 14 Products in Family](#)

LightPath 354996 | 3mm Dia., 0.30 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Stock #83-714 **12 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

354996 Lightpath Lens Code:

Aspheric Lens Type:

Physical & Mechanical Properties

3.00 ±0.015 Diameter (mm):

2.70	Clear Aperture CA (mm):
1.33	Edge Thickness ET (mm):
1.78 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

4.50 @ 633nm	Effective Focal Length EFL (mm):
0.30	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±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:
1.67	f#:
61.16	Abbe Number (v_d):
1.589	Index of Refraction (n_d):
600 - 1050	Wavelength Range (nm):
3.500	Working Distance (mm):
Infinite	Conjugate Distance:
633.00	Focal Length Specification Wavelength (nm):
<0.070	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.

