

[See all 74 Products in Family](#)

LightPath 355330 | 6.33mm Dia., 0.77 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock #83-674 **20+ In Stock**

⊖ 1 ⊕ €119.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	€119,00 each
Qty 11-49	€107,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

355330 **Lightpath Lens Code:**

Aspheric Lens **Type:**

Collimate or Focus Laser Light **Typical Applications:**

Physical & Mechanical Properties

6.33 ±0.015	Diameter (mm):
5	Clear Aperture CA (mm):
1.12	Edge Thickness ET (mm):
2.71 ±0.02	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

3.10 @830nm	Effective Focal Length EFL (mm):
0.77	Numerical Aperture NA:
D-ZLaF52LA	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
830	Aspheric Design Wavelength (nm):
BBAR (600-1050nm)	Coating:
R _{abs} <1.0% @600 - 1050nm	Coating Specification:
40-20	Surface Quality:
0.65	f#:
40.79	Abbe Number (v_d):
1.806	Index of Refraction (n_d):
600 - 1050	Wavelength Range (nm):
1.59	Working Distance (mm):
Infinite	Conjugate Distance:
830.00	Focal Length Specification Wavelength (nm):
< 0.50	Transmitted Wavefront Error (λ, RMS):

Material Properties

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

Environmental & Durability Factors

≤200	Operating Temperature (°C):
------	------------------------------------

Regulatory Compliance

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

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.

Technical Information

