

[See all 77 Products in Family](#)

LightPath 355390 | 4.5mm Dia., 0.55 NA, BBAR (350-700nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock **#83-616** **6 In Stock**

[Other Coating Options](#)

-

1

+

C\$105⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	C\$105.00 each
Qty 11-49	C\$94.50 each
Need More?	Request Quote

Product Downloads

General

355390

Lightpath Lens Code:

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

Physical & Mechanical Properties

4.50 ±0.015	Diameter (mm):
3.6	Clear Aperture CA (mm):
1.13	Edge Thickness ET (mm):
1.90 ±0.04	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

2.75 @ 830nm	Effective Focal Length EFL (mm):
0.55	Numerical Aperture NA:
D-ZLaF52LA	Substrate: ☐
±1	Focal Length Tolerance (%):
830	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
40-20	Surface Quality:
0.91	f/#:
350 - 700	Wavelength Range (nm):
2.16	Working Distance (mm):
Infinite	Conjugate Distance:
< 1.30	Transmitted Wavefront Error (λ, RMS):

Environmental & Durability Factors

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

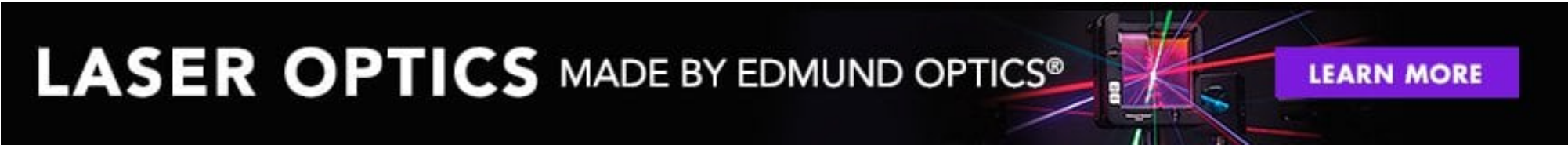
Regulatory Compliance

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

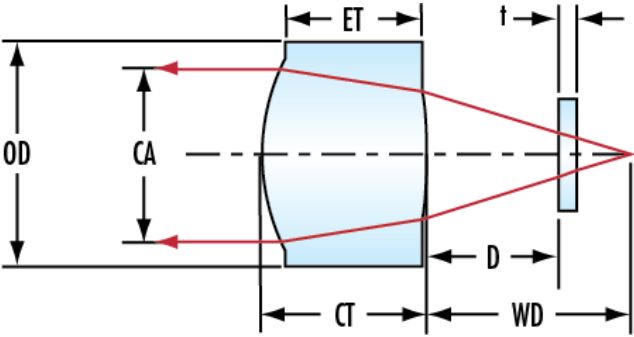
Product Details

- 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



;