

[See all 76 Products in Family](#)

LightPath 354430 | 2mm Dia., 0.15 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock #48-145 **20+ In Stock**

⊖ 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

354430 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

2.00 ±0.015	Diameter (mm):
1.6	Clear Aperture CA (mm):
0.86	Edge Thickness ET (mm):
1.01 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

5.00 @ 1550nm	Effective Focal Length EFL (mm):
0.15	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
1550	Aspheric Design Wavelength (nm):
BBAR (600-1050nm)	Coating:
R _{avg} <1.0% @ 600 - 1050nm	Coating Specification:
40-20	Surface Quality:
3.33	f#:
50.22	Abbe Number (v_d):
1.603	Index of Refraction (n_d):
600 - 1050	Wavelength Range (nm):
4.37	Working Distance (mm):
Infinite	Conjugate Distance:
1550.00	Focal Length Specification Wavelength (nm):
<0.17	Transmitted Wavefront Error (λ, RMS):

Material Properties

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

Environmental & Durability Factors

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

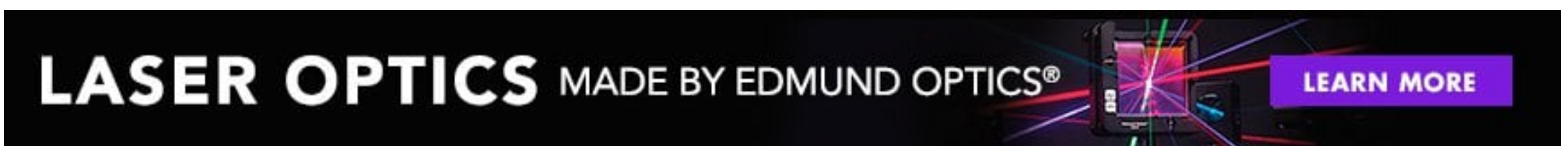
Regulatory Compliance

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



;