

[See all 75 Products in Family](#)

LightPath 355230 | 6.33mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock **#87-155** **14 In Stock**

[Other Coating Options](#)

- 1 + MRP ₹8,576

● Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹8,576 each
Qty 11-49	₹7,718 each
Need More?	Request Quote

Product Downloads

General

Thickness: 0.25 (t) (mm)
Material: BK7

Compatible Window:

355230

Lightpath Lens Code:

Aspheric Lens

Type:

Typical Applications:
Collimate or Focus Laser Light

Physical & Mechanical Properties

6.33 ±0.020 **Diameter (mm):**

5.07 **Clear Aperture CA (mm):**

1.67 **Edge Thickness ET (mm):**

2.71 ±0.05 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

2.834 **Distance from Window to Lens (D) (mm):**

Optical Properties

4.51 @ 780nm **Effective Focal Length EFL (mm):**

0.55 **Numerical Aperture NA:**

[D-ZLaF52LA](#) **Substrate:** □

±1 **Focal Length Tolerance (%):**

780 **Aspheric Design Wavelength (nm):**

BBAR (1050-1600nm) **Coating:**

$R_{\text{abs}} < 1.0\%$ @ 1050 - 1600nm **Coating Specification:**

40-20 **Surface Quality:**

0.91 **f#:**

40.79 **Abbe Number (v_d):**

1.806 **Index of Refraction (n_d):**

1050 - 1600 **Wavelength Range (nm):**

3.08 **Working Distance (mm):**

Infinite **Conjugate Distance:**

780.00 **Focal Length Specification Wavelength (nm):**

< 0.09 **Transmitted Wavefront Error (λ , RMS):**

Material Properties

6.9 **Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):**

Environmental & Durability Factors

≤200 **Operating Temperature ($^{\circ}\text{C}$):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 247:**

China **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

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

