

[See all 76 Products in Family](#)

LightPath 355198 | 1.4mm Dia., 0.50 NA, BBAR (1050-1600nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock #16-704 **13 In Stock**

MRP ₹7,567

i Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | ₹7,567 each |
| Qty 11-49 | ₹6,810 each |
| Need More? | Request Quote |

Product Downloads

General

355198 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

Physical & Mechanical Properties

| | |
|----------------------|----------------------------------|
| 1.40 ±0.015 | Diameter (mm): |
| 1.1 | Clear Aperture CA (mm): |
| 0.50 | Edge Thickness ET (mm): |
| 0.71 ±0.03 | Center Thickness CT (mm): |
| Protective as needed | Bevel: |

Optical Properties

| | |
|------------------------------------------|-----------------------------------------------------------------|
| 1.05 @ 1550nm | Effective Focal Length EFL (mm): |
| 0.50 | Numerical Aperture NA: |
| D-ZLaF52LA | Substrate: <input type="checkbox"/> |
| ±1 | Focal Length Tolerance (%): |
| 1550 | Aspheric Design Wavelength (nm): |
| BBAR (1050-1600nm) | Coating: |
| $R_{\text{abs}} < 1.0\%$ @ 1050 - 1600nm | Coating Specification: |
| 40-20 | Surface Quality: |
| 1.00 | f#: |
| 40.99 | Abbe Number (v_d): |
| 1.81 | Index of Refraction (n_d): |
| 1050 - 1600 | Wavelength Range (nm): |
| 0.61 | Working Distance (mm): |
| Infinite | Conjugate Distance: |
| 1550 | Focal Length Specification Wavelength (nm): |
| <0.150 | 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

