

LightPath 355625 | 5.585mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#16-701** 20+ In Stock

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1

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₹8,415

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Qty 1-10	₹8,415 each
Qty 11-49	₹7,380 each
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SPECIFICATIONS

General

355625

Lightpath Lens Code:

Aspheric Lens

Type:

Typical Applications: Collimate or Focus Laser Light	
Physical & Mechanical Properties	
Diameter (mm):	5.59 ±0.015
Clear Aperture CA (mm):	4.6
Edge Thickness ET (mm):	2.73
Center Thickness CT (mm):	3.70 ±0.03
Bevel:	Protective as needed
Optical Properties	
Effective Focal Length EFL (mm):	4.13 @447nm
Numerical Aperture NA:	0.55
Substrate: 	D-ZLaF52LA
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	447
Coating:	BBAR (1050-1600nm)
Coating Specification:	R _{abs} <1.0% @ 1050 - 1600nm
Surface Quality:	40-20
f/#:	0.91
Wavelength Range (nm):	1050 - 1600
Working Distance (mm):	2.2
Conjugate Distance:	Infinite
Transmitted Wavefront Error (λ, RMS):	<0.200
Environmental & Durability Factors	
Operating Temperature (°C):	≤200
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

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

