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LightPath 355022 | 5.42mm Dia., 0.47 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#16-687** CLEARANCE **8 In Stock**

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1

+

₹3,476

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General	
Compatible Window: Thickness: 1.20 (t) (mm) Material: BK7	
Lightpath Lens Code: 355022	
Type: Aspheric Lens	
Typical Applications: Collimate or Focus Laser Light	
Physical & Mechanical Properties	

	Diameter (mm):
5.42 ±0.015	
	Clear Aperture CA (mm):
4.2	
	Edge Thickness ET (mm):
2.53	
	Center Thickness CT (mm):
3.27 ±0.05	
	Bevel:
Protective as needed	

Optical Properties	
	Effective Focal Length EFL (mm):
4.47 @ 780nm	
	Numerical Aperture NA:
0.47	
	Substrate: ☐
D-ZLaF52LA	
	Focal Length Tolerance (%):
±1	
	Aspheric Design Wavelength (nm):
780	
	Coating:
BBAR (350-700nm)	
	Coating Specification:
R _{avg} ≤0.5% @ 350 - 700nm	
	Surface Quality:
40-20	
	f#:
1.06	
	Wavelength Range (nm):
350 - 700	
	Working Distance (mm):
3.08	
	Conjugate Distance:
Infinite	

Environmental & Durability Factors	
	Operating Temperature (°C):
≤200	

Regulatory Compliance	
	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 233:
Compliant	
	Country of Origin:
China	
	Imported By:
Edmund Optics India Private Limited	

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.

LASER OPTICS

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Technical Information



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