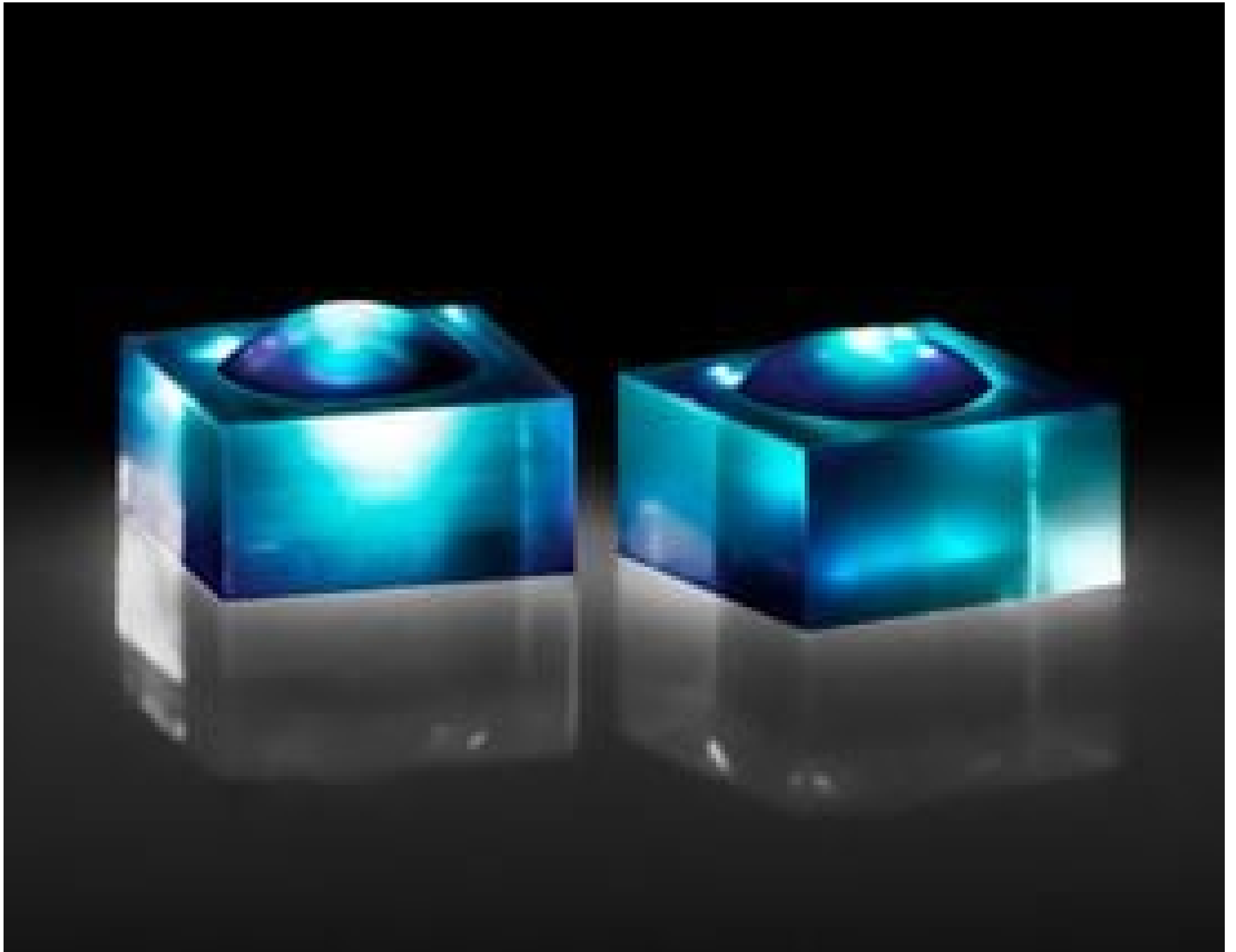


LightPath 355485 | 1 x 1mm, 0.50 NA, BBAR (1050-1600nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Stock #37-114 **20+ In Stock**

£71²⁰

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Volume Pricing	
Qty 1-10	£71.20 each
Qty 11-49	£64.00 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

355485 **Lightpath Lens Code:**

Aspheric Lens **Type:**

Finite Conjugate for Magnification **Typical Applications:**

NA Image (mm): 0.10 **Note:**

WD, Image (mm): 3.03
WD, Object (mm): 0.3

Physical & Mechanical Properties

1.0 x 1.0 ±0.015	Dimensions (mm):
0.35	Clear Aperture CA (mm):
0.51	Edge Thickness ET (mm):
0.66 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties

0.55 @ 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/#:
40.79	Abbe Number (v_d):
1.806	Index of Refraction (n_d):
1050 - 1600	Wavelength Range (nm):
0.3	Working Distance (mm):
Finite	Conjugate Distance:
1550.00	Focal Length Specification Wavelength (nm):
< 0.04	Transmitted Wavefront Error (λ, RMS):

Material Properties

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

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

