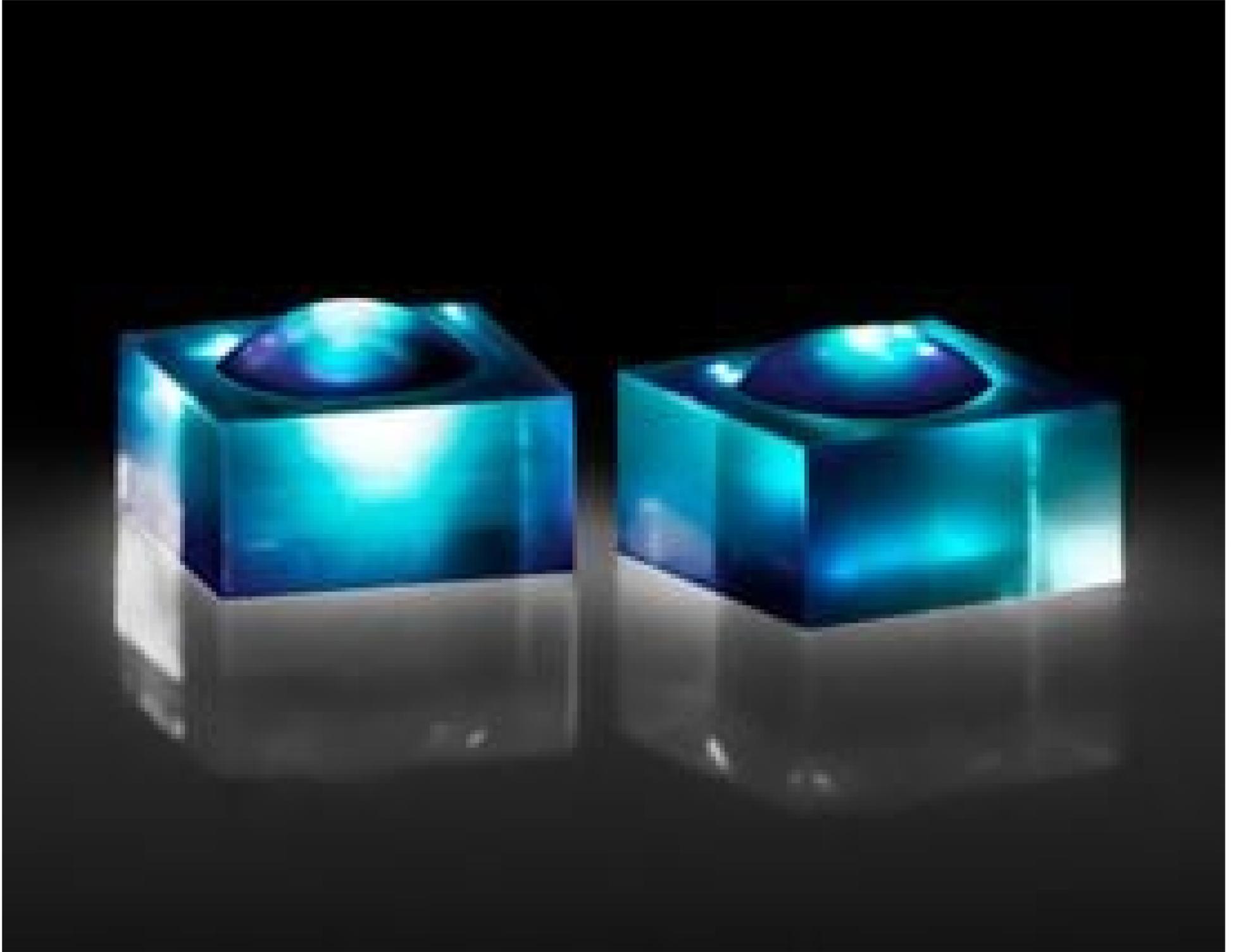


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# LightPath 355485 | 1 x 1mm, 0.50 NA, BBAR (350-700nm), Molded Aspheric Lens

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**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):**

0.5      **Numerical Aperture NA:**

[D-ZLaF52LA](#)      **Substrate:** □

±1      **Focal Length Tolerance (%):**

1550      **Aspheric Design Wavelength (nm):**

BBAR (350-700nm)      **Coating:**

$R_{avg} \leq 0.5\%$  @ 350 - 700nm      **Coating Specification:**

40-20      **Surface Quality:**

1.00      **f#:**

350 - 700      **Wavelength Range (nm):**

0.3      **Working Distance (mm):**

Finite      **Conjugate Distance:**

< 0.040      **Transmitted Wavefront Error ( $\lambda$ , RMS):**

## Environmental & Durability Factors

≤ 200      **Operating Temperature (°C):**

## Regulatory Compliance

[Compliant](#)      **RoHS 2015:**

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

[Compliant](#)      **Reach 233:**

China      **Country of Origin:**

Edmund Optics India Private Limited      **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.

**LASER OPTICS** MADE BY EDMUND OPTICS®

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