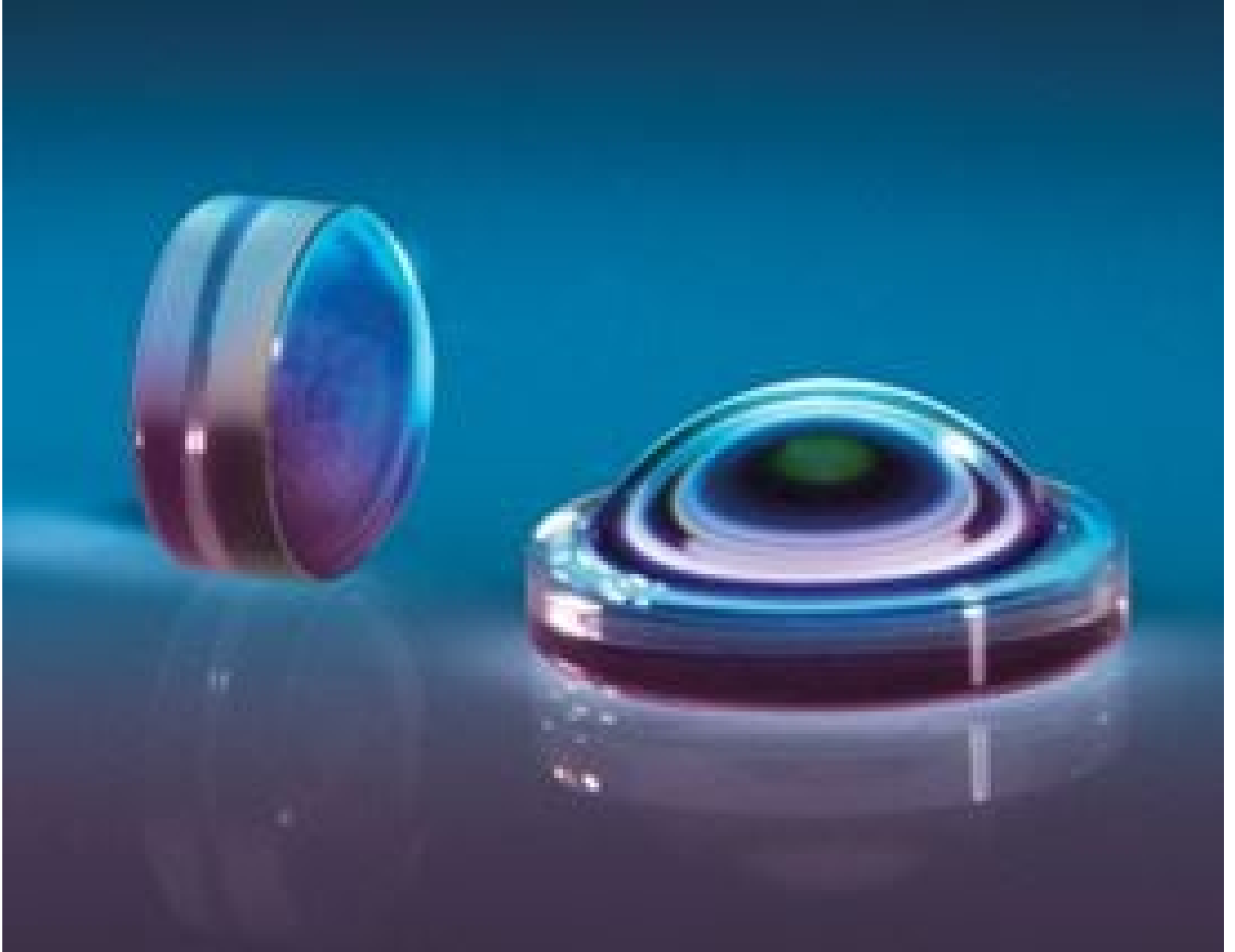


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# LightPath 357775 | 6.33mm Dia., 0.60 NA, BBAR (350-600nm), Molded Aspheric Lens

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Stock #83-990 **20+ In Stock**

⊖ 1 ⊕ **S\$176<sup>00</sup>**

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**General**

357775 **Lightpath Lens Code:**

Aspheric Lens **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

6.33 ±0.015

Clear Aperture CA (mm):

4.80

Edge Thickness ET (mm):

1.59

Center Thickness CT (mm):

2.90 ±0.05

Bevel:

Protective as needed

### Optical Properties

Effective Focal Length EFL (mm):

4.02 @405nm

Numerical Aperture NA:

0.60

Substrate: □

[D-Lak6](#)

Aspheric Design Wavelength (nm):

405

Coating:

BBAR (350-600nm)

Coating Specification:

R<sub>abs</sub> <1.0% @ 350 - 600nm

Surface Quality:

40-20

f#:

0.83

Abbe Number (v<sub>d</sub>):

52.65

Index of Refraction (n<sub>d</sub>):

1.690

Wavelength Range (nm):

350 - 600

Working Distance (mm):

2.41

Conjugate Distance:

Infinite

Focal Length Specification Wavelength (nm):

405.00

Transmitted Wavefront Error (λ, RMS):

< 0.15

### Material Properties

Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):

7.8

### Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

## Product Details

- Designs Optimized for 405nm and 488nm Laser Diodes
- Ideal for Biomedical Instrumentation and Data Storage Applications
- Diffraction Limited Molded Aspheric Lens Designs

LightPath® Blue Laser Collimating Aspheric Lenses are designed to simplify the design and implementation of laser systems for biomedical instrumentation. Ideal applications for this product include flow and imaging cytometers, fluorescence detection, and high-volume data storage systems. These aspheric lenses are designed and manufactured to meet stringent optical standards for the aforementioned high-performance applications. LightPath® Blue Laser Collimating Aspheric Lenses are delivered with a high-performance anti-reflection coating to provide optimum transmission in the 350 – 500nm wavelength range. These lenses are offered in a 2.0, 2.75, 4.0, and 6.33mm diameters in a range of EFL measurements.

