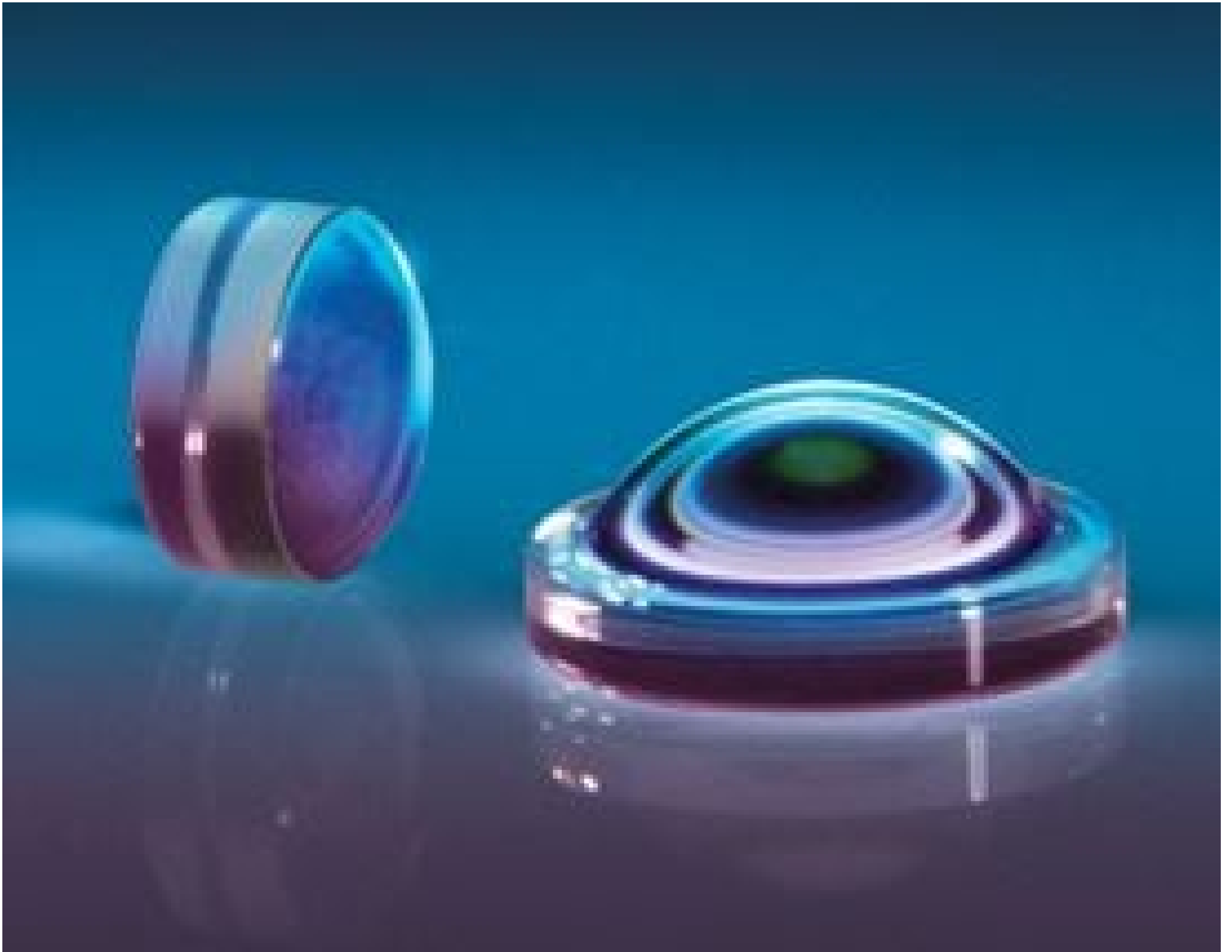


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# LightPath 357765 | 6.33mm Dia., 0.61 NA, BBAR (350-600nm), Molded Aspheric Lens

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⊖ 1 ⊕ £100.<sup>00</sup>

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## Product Downloads

### General

Lightpath Lens Code:  
357765

Type:  
Aspheric Lens

### Physical & Mechanical Properties

6.33 ±0.015	<b>Diameter (mm):</b>
4.80	<b>Clear Aperture CA (mm):</b>
1.57	<b>Edge Thickness ET (mm):</b>
2.92 ±0.05	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

4.00 @488nm	<b>Effective Focal Length EFL (mm):</b>
0.61	<b>Numerical Aperture NA:</b>
<a href="#">D-Lak6</a>	<b>Substrate:</b> <input type="checkbox"/>
488	<b>Aspheric Design Wavelength (nm):</b>
BBAR (350-600nm)	<b>Coating:</b>
$R_{\text{abs}} < 1.0\%$ @ 350 - 600nm	<b>Coating Specification:</b>
20-10	<b>Surface Quality:</b>
0.82	<b>f#:</b>
52.65	<b>Abbe Number (<math>v_d</math>):</b>
1.690	<b>Index of Refraction (<math>n_d</math>):</b>
350 - 600	<b>Wavelength Range (nm):</b>
2.37	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
488.00	<b>Focal Length Specification Wavelength (nm):</b>
< 0.25	<b>Transmitted Wavefront Error (<math>\lambda</math>, RMS):</b>

## Material Properties

7.8	<b>Coefficient of Thermal Expansion CTE (<math>10^{-6}/^{\circ}\text{C}</math>):</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## Product Details

- Designs Optimized for 405nm and 488nm Laser Diodes
- Ideal for Biomedical Instrumentation and Data Storage Applications
- Diffraction Limited Mlded 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.

