

## Blue Laser Collimating Lenses

- Ideal for biomedical instrumentation and data storage systems
- Designs optimized for 405nm & 488nm laser diodes
- Diffraction limited molded aspheric glass lenses
- Industry leading price to performance value



LightPath's Blue Laser collimating lenses are designed to simplify the design of laser systems for biomedical instrumentation such as cytometers and fluorescence detection and high volume data storage applications. These lenses are optimized, designed and manufactured to meet extremely stringent optical standards for these high performance applications.

Achieving good beam quality is particularly difficult for shorter wavelength lasers. LightPath's new molded glass aspheric lenses are designed for the specific beam divergences, peak wavelength and window material of commercial blue diode lasers, enabling blue laser applications to achieve excellent beam quality and performance.

The L-LAL12 and D-LaK6 glasses have been selected for their outstanding UV & Blue transmission properties and their ability to be molded using LightPath's existing molding technology. These glasses are fully RoHS compliant, in accordance with the new European restrictions on hazardous substances.

All lenses are available as single lenses or as mounted lenses in LightPath's MT lens holders.

**Contact LightPath to take advantage of the power of Aspheric Optics for a simpler optical system.**

### Blue Laser Collimating Lenses

Lens Code	Design Wavelength	Glass	Numerical Aperture	Focal Length (mm)	Outer Diameter (mm)	Clear Aperture (mm)	Working Distance (mm)
356300	405nm	L-LAL12	0.66	2.54	4.00	3.30	1.55
357775	405nm	D-LaK6	0.60	4.02	6.325	4.80	2.41
357610	410nm	D-Lak6	0.62	4.00	6.325	4.80	2.69
357786	488nm	D-Lak6	0.50	1.41	2.00	1.42	1.20
356785	488nm	L-LAL12	0.62	1.42	2.75	1.70	0.86
357765	488nm	D-LaK6	0.61	4.00	6.325	4.80	2.37

All Blue Laser Lenses are available with LightPath's standard MLBB-UVA anti-reflection coating for 350nm to 500nm.