

# Blue Laser Collimating Lenses

- Ideal for biomedical instrumentation and data storage systems
- Designs optimized for 405 nm & 488 nm laser diodes
- Diffraction limited molded aspheric glass lenses
- Compact, single lens design



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. These 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.

These lenses are available as mounted lenses in LightPath's MT lens holders.

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

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## Blue Laser Collimating Lenses

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

All Blue Laser Lenses are available with LightPath's standard MLBB-A anti-reflection coating for 400 nm to 600 nm.