

LIDAR

ILLUMINATION SOURCES



Lasertel offers a line of illumination sources for camera systems and Advanced Driver Assist Systems (ADAS). Lasertel's High Beam™ and Low Beam™ products offer integrated control electronics, laser diode source and beam shaping optics in a single module. Optimized for performance and cost, both products offer a range of configurable options including variable power, wavelength and application-defined beam shapes and are based on Lasertel's VCSEL or edge emitting laser diodes.

KEY FEATURES:

- 760nm to 1700nm
- Integrated system with electronics, laser source and beam shaping
- Short pulses, <20ns
- VCSEL or edge emitting laser diode sources
- Application defined power, wavelength
- Customizable beam shapes



Lasertel products proudly made in the USA
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YOUR LASER STARTS HERE

Customizable Packages

Lasertel laser diodes are manufactured in our US-based ISO 9001:2008, ISO 13485:2003 and AS9100C certified facility.



TYPICAL SPECIFICATIONS:

760nm - 1100nm			
TYPICAL OPTICAL PARAMETERS (@25 ° C)	Units	Typical Value	
		High Beam™	Low Beam™
Peak Power	W	10000	3000
Operation Mode		Pulsed	
Energy per Pulse	μJ	200	15
Pulse width	nsec	20	5
Frequency	kHz	1	
FOV	deg	20 x 60	
Wavelength	nm	905	

Patent Numbers: US 7,660,335 | US 7,864,825 | US 6,352,873 | US 6,295,307

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