

USB-L

USB Powered Laser



DESCRIPTION

USB-L laser modules connect to standard USB ports. The USB-L is both powered and controlled via the USB interface. Modules in a wide range of wavelengths are available in either a round or elliptical beam shape configurations. Connecting via USB Micro Type B, the USB-L is designed to work with modern USB 2.0 connections (or later standards). Operators using legacy USB 1.0 connections will potentially see limited output from green, blue and violet lasers. All models offer consistent power, and a custom graphical user interface to control the power level and on/off state.

APPLICATIONS

- Alignment
- Positioning
- Leveling
- Event Detection
- Edge Detection
- Security
- Vision Systems
- Metrology
- Bar Code Readers
- Education
- Robotic Control
- Laboratory or Test Operations

FEATURES & BENEFITS

- USB Powered
- USB Controlled
- Reliable Laser Modules for Industrial Applications

SPECIFICATIONS

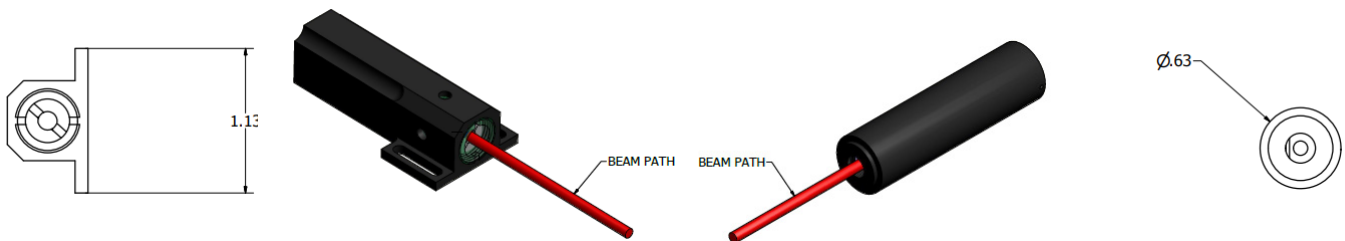
Square Part Number	Round Part Number	Wavelength (nm)	Power (mW)	Beam Shape	Beam Size (mm)	USB Type
USBL-405-5-S-G48A	USBL-405-5-R-G48A	405	5	elliptical	0.84 x 2.20	USB 1.x & 2.x
USBL-450-5-S-G48A	USBL-450-5-R-G48A	450	5	elliptical	0.78 x 2.25	USB 2.x
USBL-515-5-S-G48A	USBL-515-5-R-G48A	515	5	elliptical	0.73 x 2.30	USB 2.x
USBL-515-25-S-G48A	USBL-515-25-R-G48A	515	25	elliptical	0.73 x 2.30	USB 2.x
USBL-635-5-SG55B1	USBL-635-5-R-G55B1	635	4.5	elliptical	1.03 x 4.40	USB 1.x & 2.x
USBL-635-5B-S-G55B1	USBL-635-5B-R-G55B1	635	4.5	round	1.03 x 1.03	USB 1.x & 2.x
USBL-635-15-S-G55B1	USBL-635-15-R-G55B1	635	15	elliptical	1.03 x 3.87	USB 1.x & 2.x
USBL-635-15B-S-G55B1	USBL-635-15B-R-G55B1	635	15	round	1.03 x 1.03	USB 1.x & 2.x
USBL-655-5-S-G55B1	USBL-655-5-R-G55B1	655	5	elliptical	1.03 x 3.61	USB 1.x & 2.x
USBL-655-5B-S-G55B1	USBL-655-5B-R-G55B1	655	5	round	1.23 x 1.23	USB 1.x & 2.x
USBL-658-40-S-G55B1	USBL-658-40-R-G55B1	658	40	elliptical	1.03 x 2.84	USB 1.x & 2.x
USBL-658-40B-S-G55B1	USBL-658-40B-R-G55B1	658	40	round	1.29 x 1.29	USB 1.x & 2.x
USBL-660-115-S-G55B1	USBL-660-115-R-G55B1	660	115	elliptical	1.29 x 2.19	USB 1.x & 2.x
USBL-660-115B-S-G55B1	USBL-660-115B-R-G55B1	660	115	round	1.29 x 1.29	USB 1.x & 2.x
USBL-670-5-S-G55B1	USBL-670-5-R-G55B1	670	5	elliptical	1.03 x 2.84	USB 1.x & 2.x
USBL-670-5B-S-G55B1	USBL-670-5B-R-G55B1	670	5	round	1.16 x 1.16	USB 1.x & 2.x
USBL-670-9-S-G55B1	USBL-670-9-R-G55B1	670	9	elliptical	1.03 x 2.84	USB 1.x & 2.x
USBL-670-9B-S-G55B1	USBL-670-9B-R-G55B1	670	9	round	1.03 x 1.03	USB 1.x & 2.x
USBL-685-90-S-G55B1	USBL-685-90-R-G55B1	685	90	elliptical	1.16 x 1.80	USB 1.x & 2.x
USBL-690-31-S-G55B1	USBL-690-31-R-G55B1	690	31	elliptical	1.10 x 2.45	USB 1.x & 2.x
USBL-690-31B-S-G55B1	USBL-690-31-R-G55B1	690	31	round	1.03 x 1.03	USB 1.x & 2.x
USBL-705-05-S-G55B1	USBL-705-05-R-G55B1	705	5	elliptical	1.16 x 2.32	USB 1.x & 2.x
USBL-705-35-S-G55B1	USBL-705-35-S-G55B1	705	35	elliptical	1.16 x 2.32	USB 1.x & 2.x
USBL-785-35-S-G55B1	USBL-785-35-R-G55B1	785	5	elliptical	1.16 x 2.82	USB 1.x & 2.x
USBL-785-50-S-G55B1	USBL-785-50-R-G55B1	785	50	elliptical	1.16 x 2.06	USB 1.x & 2.x
USBL-785-110-S-G55B1	USBL-785-110-R-G55B1	785	110	elliptical	1.16 x 2.06	USB 1.x & 2.x
USBL-785-120B-S-G55B1	USBL-785-120B-R-G55B1	785	110	round	1.16 x 2.16	USB 1.x & 2.x
USBL-785-130B-S-G55B1	USBL-785-130B-R-G55B1	785	130	elliptical	1.03 x 3.21	USB 1.x & 2.x
USBL-130-808-120B-S-G55B1	USBL-130-808-120B-R-G55B1	808	130	elliptical	1.03 x 2.06	USB 1.x & 2.x
USBL-190-830-200-S-G50	USBL-190-830-200-R-G50	830	190	elliptical	1.78 x 3.56	USB 1.x & 2.x
USBL-180-905-200-S-G50	USBL-180-905-200-R-G50	905	200	elliptical	1.77 x 3.55	USB 1.x & 2.x

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Square	Round	Wavelength (nm)	Power (mW)	Beam Shape	Beam Size (mm)	USB Type
USBL-940-100-S-G55B1	USBL-940-100-R-G55B1	940	300	elliptical	1.28 x 3.58	USB 1.x & 2.x
USBL-980-05-S-G51	USBL-980-05-R-G51	980	5	elliptical	2.76 x 3.58	USB 1.x & 2.x
USBL-980-45-S-G51	USBL-980-45-R-G51	980	45	elliptical	2.76 x 5.90	USB 1.x & 2.x
USBL-1064-100-S-G51	USBL-1064-100-R-G51	1064	100	elliptical	1.58 x 5.52	USB 1.x & 2.x
USBL-1310-05-S-G51	USBL-1310-05-R-G51	1310	5	elliptical	4.90 x 5.88	USB 1.x & 2.x
USBL-1550-05-S-G51	USBL-1550-05-R-G51	1550	5	elliptical	4.88 x 5.85	USB 1.x & 2.x

	Round	Square
Primary Supply Voltage (VDC)	4.75 - 5.5	4.75 - 5.5
Max USB Current (mA)	145	145
Operating Temperature Range (°C)	10 - 35	10 - 35
Storage Temperature Range (°C)	0 - 60	0 - 60
Laser Safety Classifications	2 - 3B	2 - 3B
Optical/Mechanical Alignment Error (Degrees)	< 5	< 5

MECHANICAL DRAWINGS



SAFETY WARNINGS



COMPLIANT & REGISTERED

