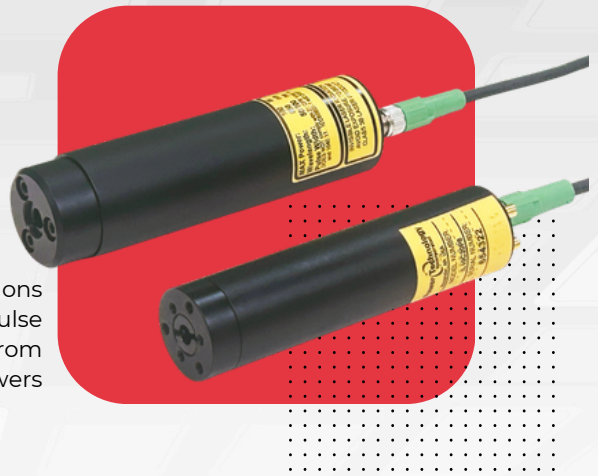


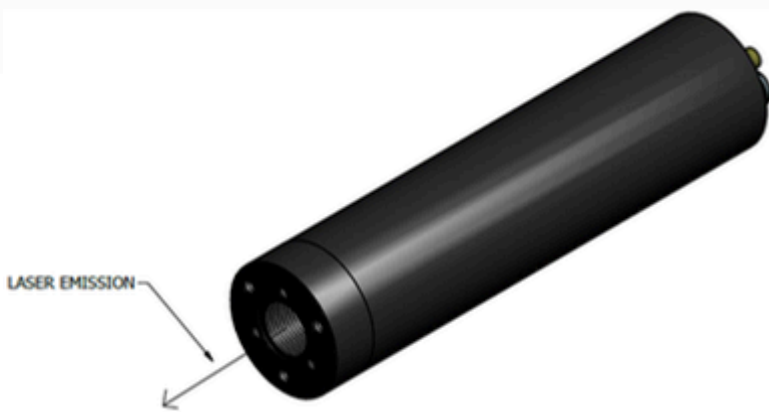
NANOSECOND LASER MODULES

PULSED DIODE LASERS - ILC SERIES

The ILC is a nanosecond pulsed laser module engineered for applications that require high peak optical power, fast edge speeds, and flexible pulse control in a compact package. It supports laser diode drive currents from 1 A to 70 A, wavelengths from 375 nm to 2000 nm, pulse output powers up to 200 W, and pulse widths from 10 ns to 300 ns.



The ILC Pulser series is purpose-engineered for critical tasks such as lithography, stroboscopy, LiDAR, target designation, spectroscopy, and beyond. With its robust design, enhanced customization options, and high stability, the ILC Pulser sets a new standard in cutting-edge laser technology for medical, industrial, defense, and scientific research.



Main Features:

- Up to 200 W peak pulsed optical output
- 375–2000 nm wavelength capability
- Up to 70 A laser diode pulse current
- External TTL or internal trigger operation
- Internal rep-rate capability up to 100 kHz
- Built-in duty-cycle protection
- User-adjustable pulse amplitude and pulse width
- Temperature-compensated pulse-current control
- Integrated current monitor for pulse verification
- Standard 12 VDC operation
- Glass optics or optional fiber-coupled output

Available Accessories:

- 12 VDC, 120 VAC Power Supply Accessory
 - Product: LDCU 12-120
- LDCU Bare Wire Adapter Accessory
 - Product: LDCU-ACS-BWA
- 1" Fixed Mounting Bracket Accessory
 - Product: MB5

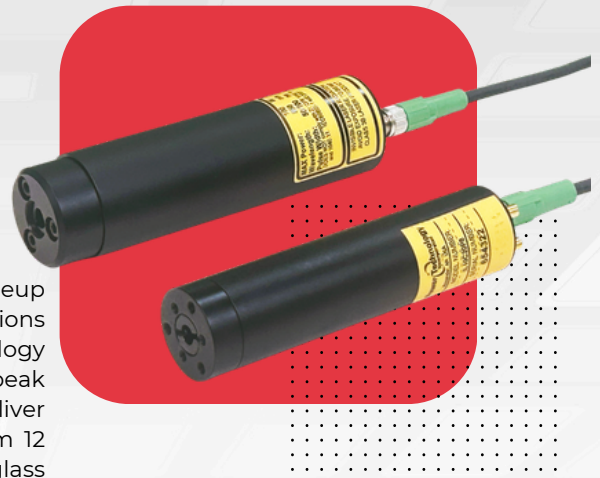
For integration and control, the ILC laser provides both external-trigger and free-running internal-trigger modes, TTL trigger input, user-adjustable pulse amplitude and pulse width, and a current-monitor output for oscilloscope-based verification. Internal repetition-rate limiting helps protect the installed laser diode from exceeding duty-cycle and average-power limits, while temperature-compensated current control helps maintain pulse amplitude over the operating temperature range.



NANOSECOND LASER MODULES

PULSED DIODE LASERS - ILC SERIES

The ILC Pulser series represents a versatile and high-performance lineup of pulsed laser diode modules, purpose-built for advanced applications across semiconductor, aerospace & defense, biomedical, and metrology industries. Offering wavelengths from 465 nm to 1550 nm and peak pulse powers ranging from 1.5 W to 150 W, these lasers deliver exceptional precision and reliability. Standard models operate from 12 VDC, are focused at 5 ft before shipment, and are available with glass optics or optional high-power multimode fiber coupling.



ESKU	Product Description	Wavelength (nm)	Peak Pulse Power (W)	Max Current (A)	Supply Voltage (VDC)	Pulse Width Range (ns)	Set Rep Rate (kHz)	Beam Size (mm) Focused@ 5 ft	Beam Divergence (mrad)
E797	ILC40/200-13(465-13)G39A	465	13.0	8.5	12	40-200	1.0	11 x 4	17.78 x 0.61
E798	ILC40/200-1.5(638-1.5)G39B	638	1.5	2	12	40-200	1.0	12 x 5	19.47 x 0.57
E799	ILC40/200-1.5(665-1.5)G39B	665	1.5	3	12	40-200	1.0	12 x 5	19.47 x 0.52
E800	ILC40/200-4(850-4)G39B	850	4.0	5	12	40-200	1.0	9 x 5	14.64 x 0.42
E801	ILC40/200-10(850-10)G39B	850	10.0	10	12	40-200	1.0	18 x 5	29.28 x 0.42
E802	ILC40/200-25(850-25)G39B	850	25.0	30	12	40-200	1.0	36 x 5	67.10 x 0.42
E803	ILC40/200-60(850-60)G39B	850	60.0	30	12	40-200	1.0	43 x 22	74.37 x 39.82
E804	ILC40/200-100(850-100)G39B	850	100.0	30	12	40-200	1.0	43 x 44	74.37 x 79.64
E805	ILC40/200-4(905-4)G39B	905	4.0	7	12	40-200	1.0	9 x 5	14.64 x 0.40
E806	ILC40/200-10(905-10)G39B	905	10.0	14	12	40-200	1.0	31 x 5	48.93 x 0.40
E807	ILC40/200-35(905-35)G39B	905	35.0	25	12	40-200	1.0	43 x 22	74.37 x 39.82
E808	ILC40/200-60(905-60)G39B	905	60.0	25	12	40-200	1.0	43 x 44	74.37 x 79.64
E809	ILC40/200-100(905-100)G39B	905	100.0	25	12	40-200	1.0	50 x 39	76.62 x 66.70
E810	ILC40/200-150(905-150)G39B	905	150.0	30	12	40-200	1.0	49 x 40	76.62 x 66.58
E811	ILC40/200-1.5(1064-1.5)G39C	1064	1.5	2	12	40-200	1.0	0.5 x 5	0.57 x 0.30
E812	ILC40/200-5(1550-5)G36C	1550	5.0	30	12	40-200	1.0	11 x 4	17.9 x 0.29
E813	ILC40/200-10(1550-10)G39C	1550	10.0	30	12	40-200	1.0	11 x 4	17.9 x 0.29
E814	ILC40/200-30(1550-30)G39C	1550	30.0	30	12	40-200	1.0	11 x 42	17.9 x 69.0
E815	ILC40/200-50(1550-50)G39C	1550	50.0	30	12	40-200	1.0	11 x 88	17.9 x 139.82
E816	ILC40/200-60(1550-60)G39C	1550	60.0	40	12	40-200	1.0	35 x 40	57.60 x 68.06
E847	ILC10/40-13(465-13)G39A	465	13.0	8.5	12	10-40	5.0	11 x 4	17.78 x 0.61
E848	ILC10/40-1.5(638-1.5)G39B	638	1.5	2	12	10-40	5.0	12 x 5	19.47 x 0.57
E849	ILC10/40-1.5(665-1.5)G39B	665	1.5	3	12	10-40	5.0	12 x 5	19.47 x 0.52
E850	ILC10/40-4(850-4)G39B	850	4.0	5	12	10-40	5.0	9 x 5	14.64 x 0.42
E851	ILC10/40-10(850-10)G39B	850	10.0	10	12	10-40	5.0	18 x 5	29.28 x 0.42
E852	ILC10/40-25(850-25)G39B	850	25.0	30	12	10-40	5.0	36 x 5	67.10 x 0.42
E853	ILC10/40-60(850-60)G39B	850	60.0	30	12	10-40	5.0	43 x 22	74.37 x 39.82
E854	ILC10/40-100(850-100)G39B	850	100.0	30	12	10-40	5.0	43 x 44	74.37 x 79.64
E855	ILC10/40-4(905-4)G39B	905	4.0	7	12	10-40	5.0	9 x 5	14.64 x 0.40
E856	ILC10/40-10(905-10)G39B	905	10.0	14	12	10-40	5.0	31 x 5	48.93 x 0.40
E857	ILC10/40-35(905-35)G39B	905	35.0	25	12	10-40	5.0	43 x 22	74.37 x 39.82
E858	ILC10/40-60(905-60)G39B	905	60.0	25	12	10-40	5.0	43 x 44	74.37 x 79.64
E859	ILC10/40-100(905-100)G39B	905	100.0	25	12	10-40	5.0	50 x 39	76.62 x 66.70
E860	ILC10/40-150(905-150)G39B	905	150.0	30	12	10-40	5.0	49 x 40	76.62 x 66.58
E861	ILC10/40-1.5(1064-1.5)G39C	1064	1.5	2	12	10-40	5.0	0.5 x 5	0.57 x 0.30
E862	ILC10/40-5(1550-5)G39C	1550	5.0	30	12	10-40	5.0	11 x 4	17.9 x 0.29
E863	ILC10/40-10(1550-10)G39C	1550	10.0	30	12	10-40	5.0	11 x 4	17.9 x 0.29
E864	ILC10/40-30(1550-30)G39C	1550	30.0	30	12	10-40	5.0	11 x 42	17.9 x 69.0
E865	ILC10/40-50(1550-50)G39C	1550	50.0	30	12	10-40	5.0	11 x 88	17.9 x 139.82
E866	ILC10/40-60(1550-60)G39C	1550	60.0	40	12	10-40	5.0	35 x 40	57.60 x 68.06

