Product Overview

Compact Laser Module Without Compromises

KEY FEATURES:
* Output powers up to 1W
* High beam Quality and stability
* Broad selection of wavelenghts, fine-tuneable
* Modulation up to 1.5 MHz
* Temperature-stabilized
* Wavelength-stabilized systems available
* Control Software Ltunes included
* Two different controller versions
* Fiber coupler & fibers available

Type: Diode

Wave-length nm	375	380	395	405	415	422	445	450	455	473	488	495	505	510
Max output power mW	70 300*1*2	175*1	120 200	40 75 125 175 200 300*2 500*1*2 1000*1*2	120	120	100 500*1*2 1000*1*2	75 1000*1*2	100	100 225 900*1*2	50 100 200	75	25 75	75

Wave-length nm	515	520	633	635	638	642	660	670	685	690	705	730	760	780
Max output power mW	25 150	50 80 120 500*1*2	75	75 125	75 125 175 250*1*2 500*1*2	75 150	75 120 200	15	40	30 200	40	40	10	50

Wave-length nm	785	795	805	808	820	825	830	840	850	852	880	905	915	940
Max output power mW	100 200 300 400 1000*1*2	200	500*1	75 150 1000*1	100	200	45 75 125 225 1000*1	50 175	250	75 125 300 600	10	10 175	75 125 175 250*2 1000*1	75 125 175 200*1 250

Type: DPSS

Wave-length nm	532	532
Max output power mW	75 100 125 175 200	125 175 200 narrow line NL

Wave-length nm	960	980	995	1030	1064	1085	1550
Max output power mW	250	75 125 175 250 1000*1	5	100	125 175 300 400 1000*1	75	10 40 175

Lambda Beam Wavelock

Lambda Beam Wavelock
High stabilized compact laser system

Wave-length nm	405	633	638	640	658	785	785	808	808	852	852	976
Max output power mW	25 40	40 70	120	32	40	100	225	120	450*2	270	550*2	270
Co- herence length	> 1.0 m	> 10.0 m	> 2.0 m	> 1.0 m	> 1.0 m	> 1.5 m	> 10.0 m	> 2.0 m	> 10.0 m	> 1.5 cm	> 10.0 m	

WARNING:
For WaveLock laser systems, we recommend using an optical isolator to prevent harmful back-reflections. Please refer to the Lambda Beam Manual.

Compact Laser Modules with fixed fiber for industrial integration and scientific applications

KEY FEATURES:
* Output powers **up to 300mW**
* Broad selection of wavelenghts; fine-tuneable
* Temperature-stabilized
* Single-mode/Polarization-maintaining available
* Wavelength-stabilized 785nm system available

Single Mode Fiber

Wave-length nm	405	450	488	515	520	633	635	637	642	658	660	670	685	705
Max output power mW	10	25	20	15 25	15 40	50	2.5 8	50 70	20	7.5 20 40 60	50	2.5	15	15

Wave-length nm	730	785	808	820	830	852	880	904	915	940	960	980	1064	1310	1550
Max output power mW	15	10 20 100	60 100	80	10 30	30 60 100	3	3	40	30	100	15 60	50	50	1.5 50

Polarization-Maintaining Fiber

Wave-length nm	635	642	785	830	1310	1550

VHG Stabilized Single Mode Fiber

	785

Multi Mode Fiber

	405	635	658

Single Mode Fiber & Collimator

	405

*1 Multi-mode
*2 Watercooler option recommended
*3 on request

Product Overview

* FC/PC or FC/APC connectors
* Control Software Ltunes included
* 8° Angle-Cleaved fiber to reduce back reflexion

Max output power mW	2.5	20	6.5	10	2.5	22.5		50		300	7.5	22.5		30

Miniaturized Laser Module

KEY FEATURES:
* Incredibly small yet fully featured
* Output powers up to 75 mW
* Powered via USB: no extra power adapter required
* Control Software Ltunes included
* Excellent value for money

Lambda Mini EVO

Wave-length nm	375	405	450	488	515	520	635	640	660	670	685	705
Max output power mW	50	50	75	50	25	50	30	50	75	10	40	35

Wave-length nm	730	760	785	800	830	840	852	880	904	940	980	1064
Max output power mW	40	10	75	20	50	45	30	10	10	45	45	25

Lambda Mini Fiber

Wave-length nm	400	405	445	460	488	520	635	660	670	705
Max output power mW	30	15 50	30 50	50	30	30 40	30 50	50	50	15

Wave-length nm	730	785	820	830	905	940	1064	1310	1550
Max output power mW	15	50	50	50	50	50	15	10	10

PowerBox Laser Controller

PowerBox

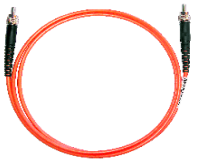
PowerController

KEY FEATURES:
The PowerBox is a miniaturized laser controller for the Lambda Beam series of Laser modules, providing power to the laser and controlling the emission and temperature. It is designed for industrial integration where small sizes and weights are important.
* Attaches directly to the laser head
* Highly compact design
* Straightforward connection via screw-type terminal block
* Digital control via USB (RS-232 on request)
* Powered by 12 - 36 V DC
* Modulation input analog or digital 0 - 5 V DC, up to 1.5 MHz
* Interlock on/off input

Alternatively, the **PowerCotroller*[3]** can be used, featuring larger connectors and a keyswitch.

Accessories e.g.

Fiber Coupler



Optical Fiber Cable

Shutter

Heatsink incl. fan

Icestation

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*[1] Multi-mode
*[2] Watercooler option recommended
*[3] on request