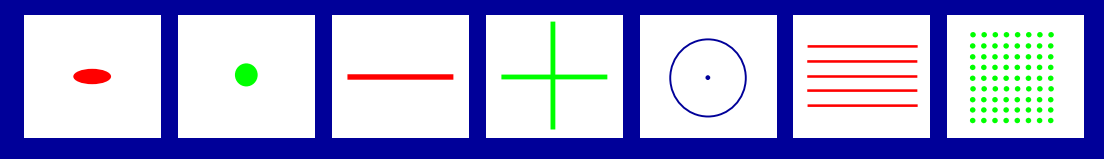

LaserTechs offers:

- Laser Diode-, LED-Modules
- Dot-, Line-, Cross-generating lasers, Patterns, Grids, Diffractive Optics
- Fibre Output
- Violet, blue, green, red, IR
- Laser Class 1 to 3B
- 3, 5, 5-24 V DC or 60-240 V AC
- Protection against reverse polarity, surge and excess current, ESD
- Electrical isolation
- Temperature stabilisation
- Intelligent microcontroller modules
- Customer individual design
- Consultancy on OEM-integration

LaserTechs e.K.

Muehlstrasse 100, Industriepark
D-63741 Aschaffenburg

Tel: +49 (0) 6021 3697 170
Fax: +49 (0) 6021 3697 549

Email: LDM@lasertechs.de
Web: www.lasertechs.de

LaserTechs

LaserTechs

Passion for tailored Laser Solutions

LaserTechs

www.lasertechs.de

Models	LTI/LTIC-, LTS/LTSC-, LG/LGC-, LGMSeries																	
Wavelength (nm)*	375	405	450	473	488	520	635	638	650	660	670	690	785	808	830	980	1064	1310	1550
Maximum possible Output Power CW, SM (mW)*	17	110	50	17	55	30	35	100	50	100	30	30	75	120	120	50	120	10	10
Laser-Safety Class	1 to 3B (according to DIN EN 60825-1)																		
Optical Options	**LGM – mini module:** Acrylic collimation lens (elliptical beam profile), fix focus **LTI/LTS/LG:** high quality AR coated glass collimation lens (elliptical beam profile), focusable **LTIC/LTSC/LGC:** high quality AR coated glass collimation lens, circularised beam profile											**Line generating optic** (Gaussian or homogenous line „Powell“) **Cross generating optic, dot-/line grids, parallel lines, circles, individual shapes, fibre output** (different pattern angles)							
Focus	Fix focus, upon request focusable via special tool (useful if focus has to be adjusted when integrating the module into a system, not if focus has to be changed often) **Option H:** manual focusability (recommended if focus has to be changed often or to be flexible; unavailable with LGM-series)																		
Electrical Options	**Standard:** 5 V DC (LG), 5-24 V DC (LTS) **Optional:** 3, 4.5 V DC (e.g. battery supply; with LGM/LG-series) 9 V DC (LTS-series), 12 / 24 V DC **Option R1:** Trim-Potentiometer for manual power regulation **Option M:** Modulation input, digital (on/off signal) **Option A:** Modulation input analogue (for continuous regulation of output power)											**Option B:** Battery case (with on-/off-switch) **Option ACPS:** Wall plug power supply with integrated AC-DC converter **Option U:** USB-connection **Option ST:** Connector **Option LED:** Status LED							
Connection	Wires or cable (also screened), optionally with connector (e.g. Binder)																		
Dimensions (mm)	**LT*Intelligent*:** ø 12 x 100		**LT*Safe*:** ø 12 x 50		**LG Standard:** ø 12 x 40		**LG Micro Bench:** ø 25 x 40		**Line/Cross-Module:** 5 to 13 mm longer		**Option H (Manual focusability):** 5 mm longer		**LGM:** head: ø 8 x 22 driver: 14 x 12 x 22				
Features	Microcontroller operated with range of safety and control features		Protection against over voltage, excess current, ESD, inverse polarity		Standard series, 3 or 5 V DC		Identical to LG series, only different housing		Extension to all modules of LT- and LG-series		Available for modules of LT- and LG-series		Mini module				
Housing	Brass (standard, black), Aluminium (different colours possible), Stainless Steel																		

* Wavelength and output power are subject to available laser diodes, others may be possible, so do not hesitate to check with us if you cannot find what you are looking for.
Different wavelengths are available for LED-Modules. Specifications and availability may change without prior notification. Information without engagement.

Applications: e.g. Machine Vision, Inspection, Sensing, Laser Triangulation, Piloting, Positioning, Alignment, Scanning, Illumination, Sorting, Excitation