



BRACKETS:




POWER SUPPLY:



CONNECTOR CABLE:



LD LASER
1 ... 30 mW 

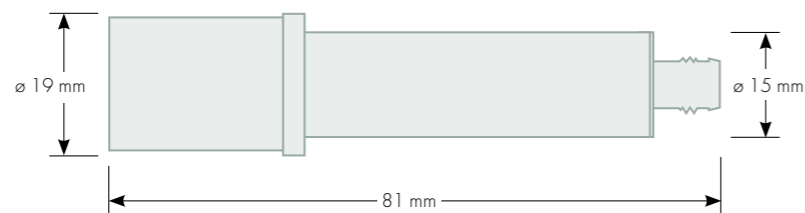
SMALL AND VERSATILE:

Due to manual focussing from 30 mm to ∞, you may achieve an extremely fine laserline at any working distance. This makes the LD laser the right choice for applications with changing working distances and projection positions. Flexibility is supported by the small housing, allowing to easily fix the laser on working place machines or rails.

FEATURES:

- Focusable
- Point, Line, Cross
- Smallest housing
- Reverse polarity protected
- Available opening angles line: 10°, 20°, 30°, 40°, 80° (standard)
- Available opening angles cross: 38°, 62° (standard)

DRAWING (1:1):



LAP LD lasers are a perfect match for nearly every gap and like to change their working place

Technical data

Laser type, Wavelength	Diode, 635 nm, red (optional: 670 nm)
Power supply	4 ... 6 V DC
Application conditions	- 10 ... +40 C, 35 ... 90 % rel. humidity, non-condensing
Enclosure rating	IP 42
Divergence	0,5 mrad
MTTF	> 30.000 h at 25°C (635 ... 670 nm)
Dimensions	Length 81 mm, Ø 19 mm (front)/15 mm (back)
Connector	M8, 3-pol.

LINE LASERS

Laser power	Product	Laser class*	Line length*
1 mW	LAP 1 LDL	1	up to 1 m
3 mW	LAP 3 LDL	1	up to 2 m
5 mW	LAP 5 LDL	1	up to 4 m
10 mW	LAP 10 LDL	1	up to 6 m
15 mW	LAP 15 LDL	2	up to 10 m
30 mW	LAP 30 LDL	2M	up to 20 m

CROSS LASERS

Laser power	Product	Laser class*	Line length at 1 m distance
1 mW	LAP 1 LDX	1	60 cm/90 cm
3 mW	LAP 3 LDX	1	60 cm/90 cm
5 mW	LAP 5 LDX	2	60 cm/90 cm
10 mW	LAP 10 LDX	2M	60 cm/90 cm
15 mW	LAP 15 LDX	2M	60 cm/90 cm
30 mW	LAP 30 LDX	2M	60 cm/90 cm

POINT LASERS

Laser power	Product	Laser class
1 mW	LAP 1 LDP	2
3 mW	LAP 3 LDP	3R
5 mW	LAP 5 LDP	3R
10 mW	LAP 10 LDP	3B
15 mW	LAP 15 LDP	3B
30 mW	LAP 30 LDP	3B

*Standard opening angle 80°, line length depends on ambient light, mounting position and angle