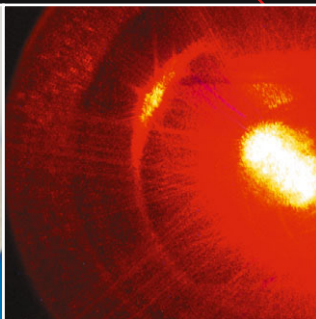
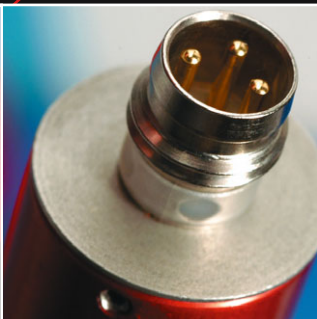
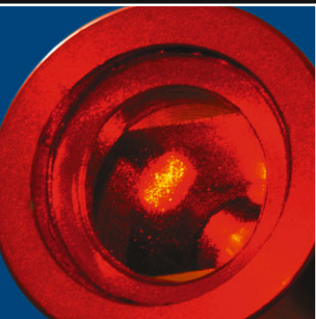
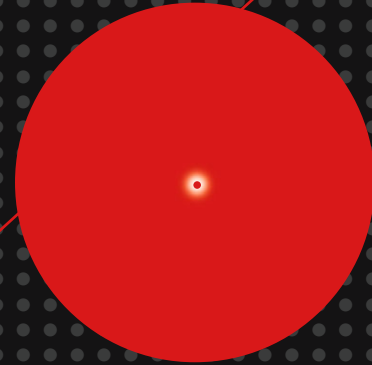
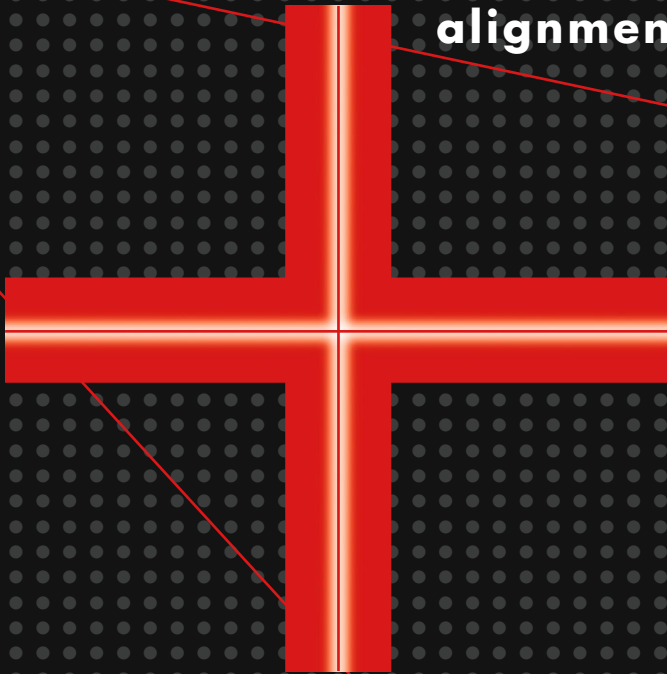


# LD LASER

■ ■ LINE-, CROSSHAIR- AND SPOTLASER

Output power 1 to 30 mW

alignment with precision



# LD LASER.

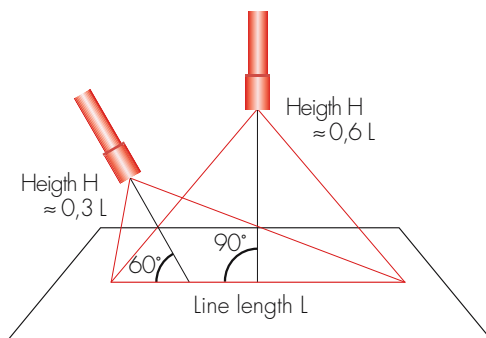
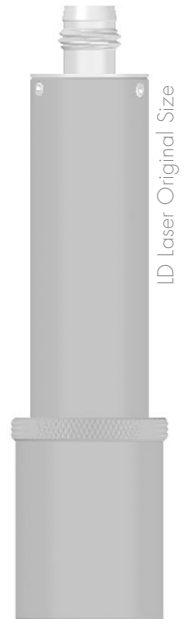


## HIGHLIGHTS.

- Small and light-weight
- Can be focussed without tools
- Point, cross or line optics
- Protected against static discharge
- Reverse polarity protection

## SMALL AND PRECISE.

LD lasers offer laser power from 1 to 30 mW in a small but robust housing. They are easily field-focusable to achieve the finest possible line for demanding applications or changing working distances. This flexibility makes LD lasers the first choice for applications with a need for changing laser positions or projection area. In combination with a wide variety of brackets, you'll get all degrees of freedom needed for precise laser alignment.

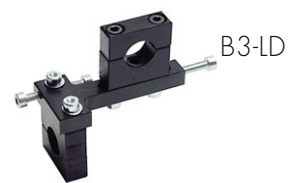
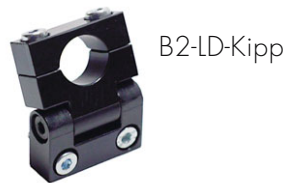


## FLEXIBLE AND VERSATILE.

LAP LD lasers are made for use in relatively clean industrial environments. The compact design allows multiple lasers to be mounted in close proximity. Various brackets allow easy mounting and precise alignment.

LD lasers project points, lines or crosses which are clearly visible, even in daylight. The optics can be focused manually without disrupting the projected laser beam.

## BRACKETS.



# TECHNICAL DATA.

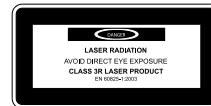
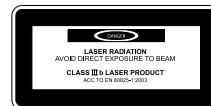
## MODELS.

Laser power	Line laser	Laser Class <sup>1)</sup>	Line length <sup>2)</sup>	Cross laser	Laser Class <sup>3)</sup>	Spot laser	Laser Class
1 mW	LAP 1 LDL	2	up to 1 m	LAP 1 LDX	2	LAP 1 LDP	2
3 mW	LAP 3 LDL	2	up to 2 m	LAP 3 LDX	2	LAP 3 LDP	3R
5 mW	LAP 5 LDL	2M	up to 4 m	LAP 5 LDX	2	LAP 5 LDP	3R
10 mW	LAP 10 LDL	2M	up to 6 m	LAP 10 LDX	2M	LAP 10 LDP	3B
15 mW	LAP 15 LDL	2M	up to 10 m	LAP 15 LDX	2M	LAP 15 LDP	3B
30 mW	LAP 30 LDL	3B	up to 20 m	LAP 30 LDX	2M	LAP 30 LDP	3B

1) with standard optic 80° 2) depends on ambient light, height above surface, angle 3) with standard optic 62°

## GENERAL DATA.

Laser type, wavelength	diode, 635 nm, red
Divergence	0,5 mrad
Enclosure rating	IP 42
Power supply	4 - 6 VDC
Power consumption	< 0,5 W
Ambient conditions	-10° to +40°C, 35 - 90% rel. humidity, non-condensing
Dimensions	length: 81 mm, Ø front: 18,8 mm, back: 15 mm



## ACCESSORIES AND OPTIONS.

- Mounting brackets, fixed or movable
- Plug-in and DIN rail mount power supplies
- other wavelengths
- various fan angles (line: 10°, 20°, 30°, 40°; cross: 38°)

LAP has a great deal of experience with customer-specific solutions.  
Please inquire!



**L A S E R**

Sensors, Line Lasers, Projectors  
Systems & Solutions




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 Partners

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