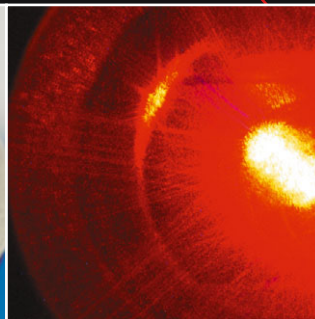
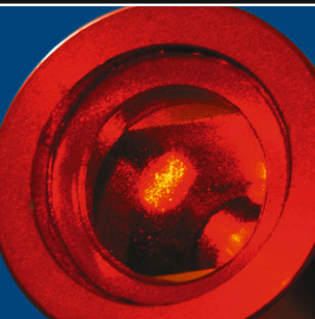
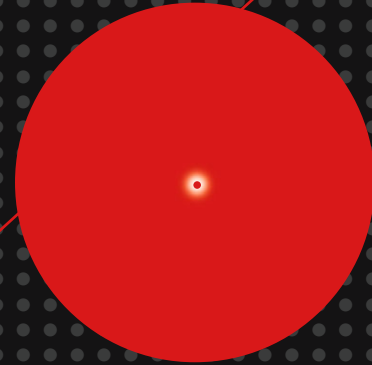
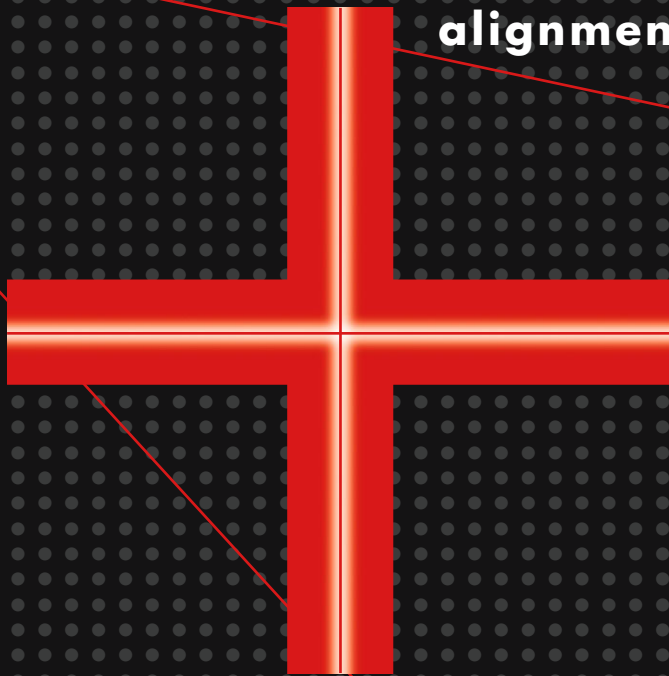


LD LASER

■ ■ LINE-, CROSSHAIR- AND SPOTLASER

Output power 1 to 30 mW

alignment with precision



LD LASER.

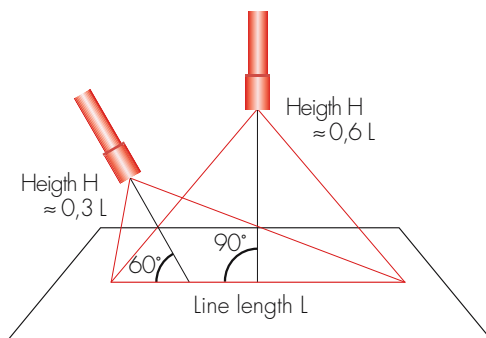
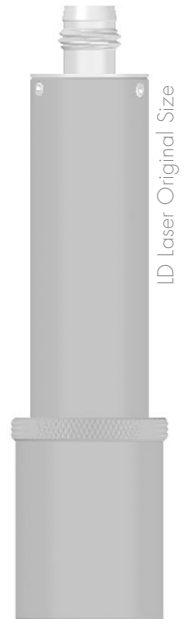


HIGHLIGHTS.

- 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.

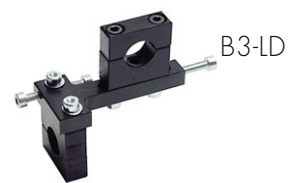
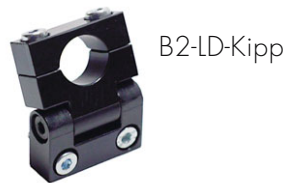


FLEXIBLE AND VERSATILE.

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.

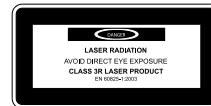
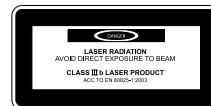
MODELS.

| Laser power | Line laser | Laser Class ¹⁾ | Line length ²⁾ | Cross laser | Laser Class ³⁾ | 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

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Systems & Solutions



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