



WLTxxx-xx, WLSxxx-xx, WLFxxx-xx, WLRxxx-xx

These continuous red light emissive modules are composed of a LASER diode, an electronic driver and a collimation optic system, all packaged in an aluminum case. Each device features an anti-reflex treated high quality glass lens, assuring a good collimation and a limited diffraction. Output power is stabilized over the entire temperature range.

Special features like diaphragm, fixed or adjustable focus, line generator, external power adjustment or 3V power supply are available on request.

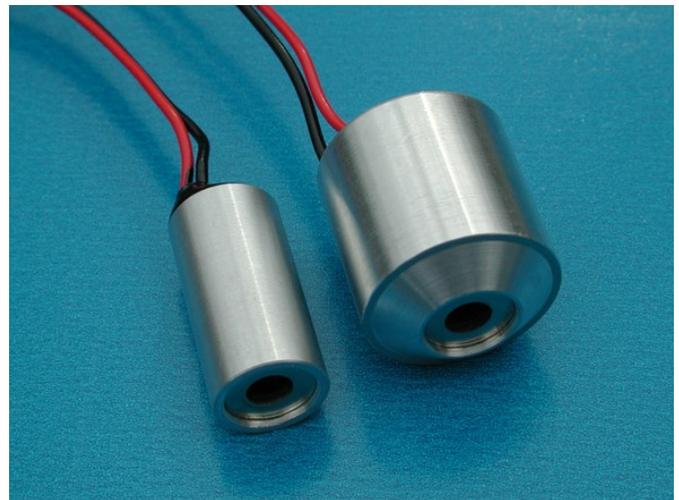
See also the modulated output red LASER modules WLx xxx-xx MO.

Features

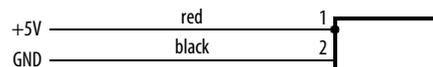
- High quality LASER diode
- High quality glass lens
- Stabilised output power
- Reverse power supply protection

Applications

- Smoke detection
- Particles detection
- Distance measurement
- Protection areas
- Barcode readers
- Alignment systems
- Security systems



Electrical connections



+5V red Power supply, connected to case.
GND black Ground.

⚠ +5V connected to case.

Technical specifications

Supply voltage	+5V±10% / 50 mA max.
Output power[†]	1 ÷ 15 mW
Wavelength[†]	635 ÷ 670 nm
Beam[†]	collimated, 4x2 mm
Divergence	0,4 mrad max.
Boresight	5 mrad typical
Temperature	-10 ÷ 50°C (60°C)
Weight	WLS - 13g, WLT - 6g, WLF - 8g, WLR - 3g

[†]See the ordering codes

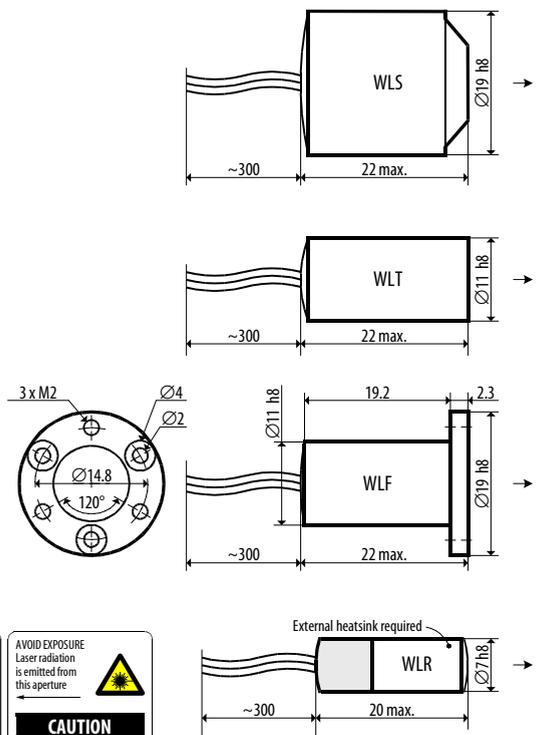
Ordering codes

WLx xxx-xx	
1	- 1 mW
2	- 2 mW
3	- 3 mW
5	- 5 mW
10	- 10 mW
15	- 15 mW
635	- 635 nm
650	- 650 nm
670	- 670 nm
T	- Ø11x22 mm
S	- Ø19x22 mm
F	- Ø19x22 mm
R	- Ø7x19 mm

Exemple

WLS650-1 Ø19x22 mm, 650 nm, 1 mW

Mechanical data



<p>AVOID EXPOSURE Laser radiation is emitted from this aperture</p>  <p>CAUTION LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT</p> <p>Complies with US 21 CFR 1040, CEI 60825-1</p> <p>Output <1mW Wavelength 635-670nm</p> <p>Made in France CE</p>	<p>AVOID EXPOSURE Laser radiation is emitted from this aperture</p>  <p>CAUTION LASER RADIATION AVOID DIRECT EYE EXPOSURE CLASS 3R LASER PRODUCT</p> <p>Complies with US 21 CFR 1040, CEI 60825-1</p> <p>Output <5mW Wavelength 635-670nm</p> <p>Made in France CE</p>	<p>AVOID EXPOSURE Laser radiation is emitted from this aperture</p>  <p>CAUTION LASER RADIATION AVOID EXPOSURE TO BEAM CLASS 3B LASER PRODUCT</p> <p>Complies with US 21 CFR 1040, CEI 60825-1</p> <p>Output <0.5W Wavelength 635-670nm</p> <p>Made in France CE</p>
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Dimensions in mm