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CW360-6310

- red Line Laser Diode Module
- 360° Line Projection
- 635 nm, 10 mW
- 3.0 – 5.0 VDC
- Automatic Power Control



Description

CW360-6310 is a compact size red line laser diode module with a typical emission wavelength of **635 nm**, and an optical output power of **10 mW**. It utilizes an aluminium cone mirror with acryl cover to project a full 360° line. **CW360-6310** features automatic power control (**APC**) driving electronics for stable operation, and has high operating temperature range of up to 50°C. A suitable **laser module holder** and **power supply** are optionally available for quick setup and convenient operation (see next page for details).

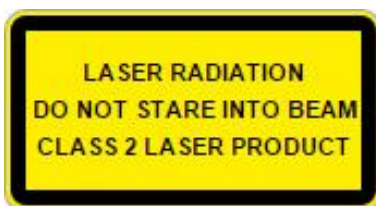
Maximum Ratings*

Parameter	Values		Unit
	Min.	Max.	
Operating Temperature*	- 10	+ 50	°C
Storage Temperature	- 40	+ 70	°C

* operating close to or outside these temperatures may damage the device

Electro-Optical Characteristics (T_{CASE} = 25°C)

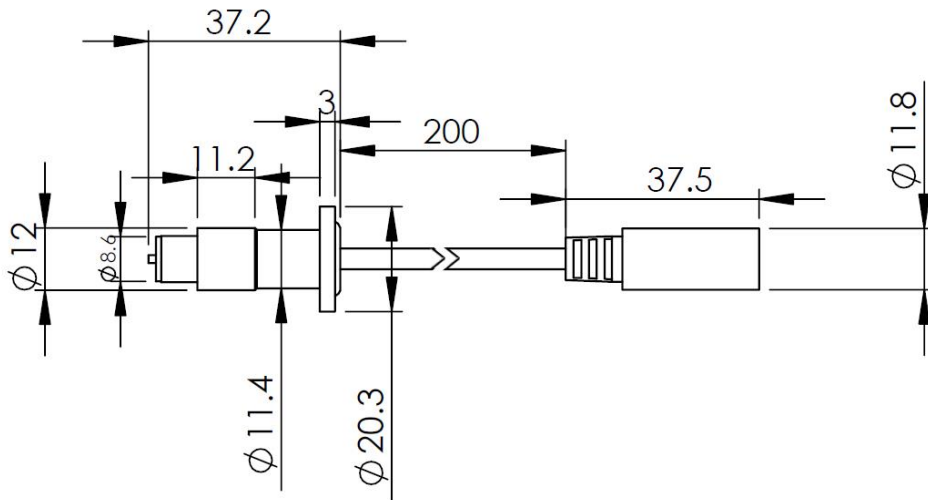
Parameter	Values			Unit
	Min.	Typ.	Max.	
Peak Wavelength		635		nm
Radiated Power		10		mW
Line Thickness @ 5 m		3		mm
Supply Voltage		3.0	5.0	VDC
Material Body	Aluminium, black anodized			
Material Reflector	Aluminium			
Material Cover	Acryl			
Dimensions	Ø 20.3 x 37.2			mm
Connector	Type	IEC 60130-10, Type A, 5.5/2.1 mm		
	Length	~ 200		mm





Outline / Connector

Module



all dimensions in mm

Connector

- IEC 60130-10, Type A, 5.5/2.1 mm



Optional Accessories

Power supply LPS31C

- 100-240VAC
- AC Europlug (CEE7/16)
- IEC 60130-10 Type A con.
- Output 3 VDC, max 1 A
- CE certified
- 30 x 80 x 75 mm
- 80 g



Holder RLM-1650

- Steel, black anodized
- Height, reach, tilt adjustable
- Fixture 360° turnable
- Max. diameter: 16.5 mm
- 69 x 67 mm
- 152 g



Precautions

Static Electricity:

Precautions against electrostatic discharge (ESD) must be taken when handling or operating the module. Surge voltage or electrostatic discharge can result in complete failure of the laser module.

Heat Sinking:

In order to maintain long lifetime and stable output of the laser module, efficient heat management is recommended.

Safety:

This laser module emits highly concentrated invisible light which can be **hazardous to the human eye and skin**. It is considered to be a **CLASS 2 laser product** according to IEC 60825-1 and 21 CFR Part 1040.10 Safety Standards.

