

# FLEXPOINT®

## 532 nm Green Laser Module

### FEATURES

- Small housing
- 10 times more visible to the eye than red lasers with same power
- Wide operating voltage range
- Many options / customized solutions
- Focusable

### OPTIONS

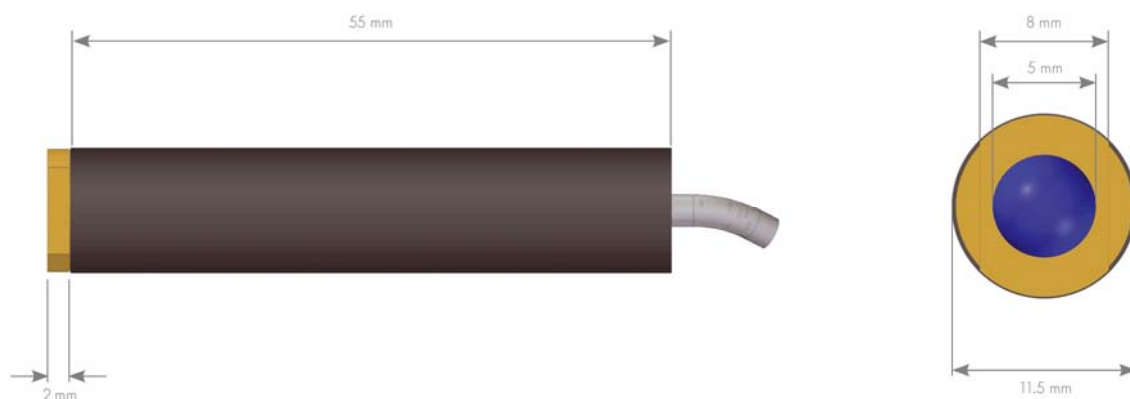
- Modulation
- Power adjustment via control wire or potentiometer
- Laser head and electronics in separate housings for limited space

### BEAM PROFILE

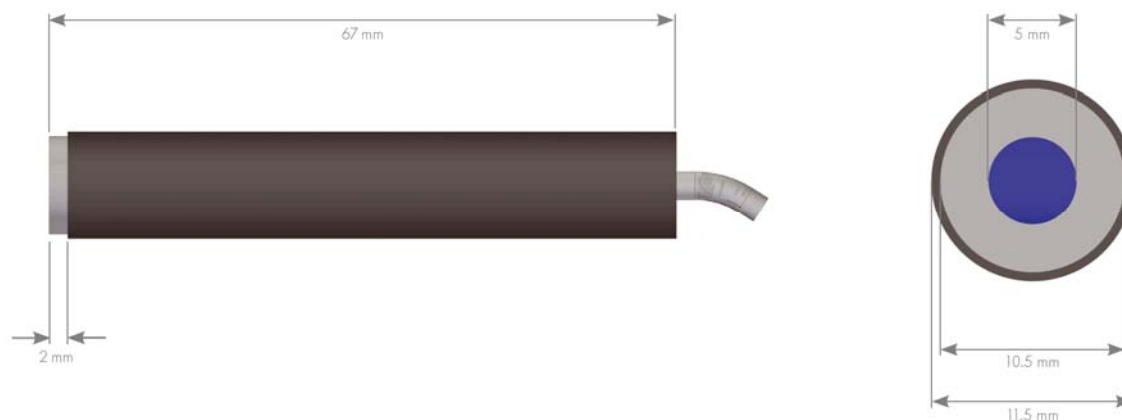
- circular
- line
- cross hair



### GREEN DOT LASER



GREEN LINE LASER



SPECIFICATIONS

Wavelength	532 nm
Output power, max.	1 mW / 4 mW / 10 mW
Output power stability	< 5 % after warm-up at 25 °C
Beam divergence	≤ 1 mrad (0.5 mrad as option)
Output beam diameter	≤ 1,5 mm
Fan angle (for line lasers)	10 – 100° (factory set)
Beam angle error	≤ 1°
Operating mode	cw
Mode	TEM <sub>00</sub>
Life time typ.	5000 hrs (at ≤ 4 mW)
Input voltage	4.5 – 30 VDC reverse voltage protection
Operating current	< 300 mA
Modulation frequency (as option)	Max. 3 kHz
Connection	Cable: brown +ve, white earth, green modulation
Operating temperature	15 – 35 °C
Storage temperature	-10 to +60 °C
Mechanical	length = 57 mm, Ø 11.5 mm (l ≥ 67 mm for line lasers and 0.5 mrad option)
Housing material	anodised aluminium, supply voltage not connected to housing



STANDARD MODULES

Type	Output Power [mW]	Beam Profile	Specials
FP-53/1AF-AV-SD	1	circular	focusable
FP-53/4AF-AV-SD	4	circular	focusable
FP-53/10AF-AV-SD	10	circular	focusable
FP-53/1LF-Ö50	1	Line, 50° fan angle	
FP-53/4LF-Ö50	4	Linie 50° fan angle	

Improved safety through control loop for laser class 2 and 3R.

To ensure the maximum lifetime of the laser module, please use a heat sink, which is available as option (housing temperature ≤ 35 °C).

The laser modules are equipped with a temperature dependent shut down which protects the laser from overheating. After cooling down and switching on the power supply again the laser will work again.

FLEXPOINT® laser diode modules are designed for use in OEM products. Depending on their usage their original classification may be altered (labels are attached). It is the responsibility of the OEM to ensure compliance with relevant safety standards and proper labelling.

All specifications subject to change without notice.

