

Z-LASER

Intelligent Solutions in Light

ZM18B3-520

- » 520nm (green wavelength)
- » Optical output power up to 40mW
- » Gaussian line, dot or cross optic
- » 5 to 30VDC supply voltage with reverse polarity protection
- » IP67 rated, water-proof and dust-proof
- » M18 threaded body for simple and versatile mounting
- » Integrated microcontroller

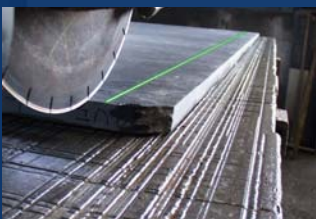
Wood industry

Stone

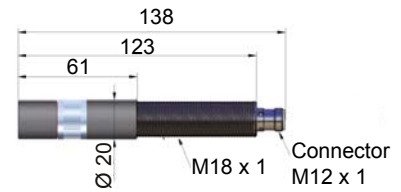
Metal

Tire

Textile / Leather



ZM18B3-520



Mechanical specifications

Dimensions	138mm x Ø 20mm (focusable version) / 123mm x Ø 20mm (fixed version)
Housing	M18 industry housing, chromed brass; optic head: anodised aluminium
IP rating	IP67
Weight	102g (focusable version)
Electrical isolation	Potential-free housing
Connection	M12x1 plug, 4-pin

Electrical specifications

Supply voltage	5 up to 30VDC
Operation mode	APC
Modulation	Not available
Protection	Reverse polarity and transient protection / ESD, overtemperature protection and LED pre-failure indicator

Optical specifications

Wavelength	520nm
Output power	10mW - 40mW
Wavelength vs. temperature	Typ. 0.15 - 0.30nm / °C depending on wavelength
Power stability	±3% over operating temperature range
Focus range	100mm up to ∞
Pointing stability	< 15µrad / °C
Line (Gaussian profile)	3°, 5°, 10°, 15°, 20°, 30°, 90°
Dot	Elliptical
Cross	25°

Environmental conditions

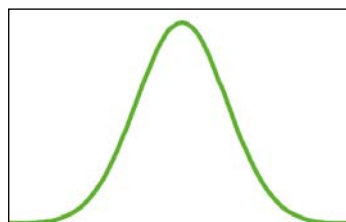
Case temperature	-10°C up to +50°C (heat dissipation e.g. with mounting H8-M18)
Storage temperature	-10°C up to +80°C
Humidity	Max. 90%, non-condensing

CE CE-Conformity according to the directives 2004/108/EC and 73/23/ECC.

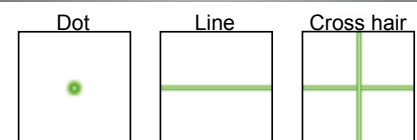
Accessories



Gaussian profile



Optics



Order code

Z X M18B3 - X - 520 - X

Power | Wavelength | Optic

F = hand focusable
without F = fixed focus

Product family name