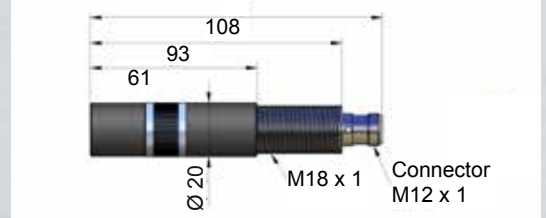
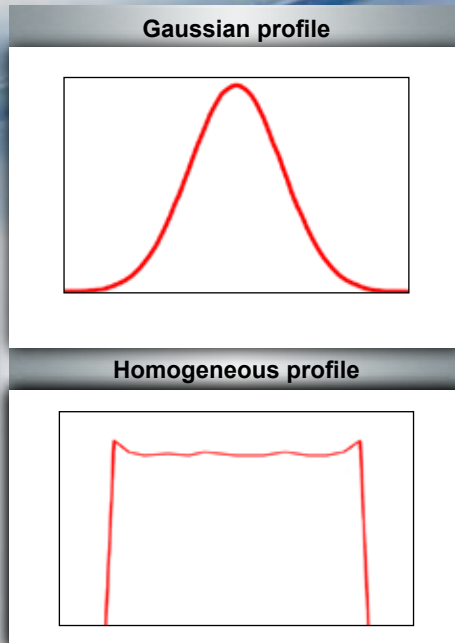


ZM18B



Mechanical specifications	
Dimensions	108mm x Ø 20mm (focusable version) / 92mm x Ø 20mm (fixed focus)
Housing	M18 industry housing, chromed brass Optic head: Anodised aluminium
IP rating	IP67
Weight	75g (focusable version)
Electrical isolation	Potential-free housing
Connection	M12 plug, 4-pin
Electrical specifications	
Supply voltage	5 to 30VDC
Operation mode	APC with current limiting
Modulation	No
Protection	Reverse polarity and transient protection / ESD, over temperature protection and LED pre-failure indicator
Optical specifications	
Wavelength	635nm, 640nm, 643nm, 685nm, 785nm, 808nm, 830nm, 850nm, 980nm
Output power	Up to 120mW / up to 160mW IR
Wavelength vs. temperature	Typ. 0.20 - 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°, symmetrical or asymmetrical
Line (homogeneous intensity profile)	10°, 20°, 30°, 45°, 60°, 75°, 90°
Dot	Elliptical or circular
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
MTTF at 25°C	> 30,000h (635nm to 685nm), > 100,000h (785nm to 980nm)

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



Optics

Dot	Line	Line matrix
Cross hair	Multi lines	Dot matrix

Order code

Z X M18B - X - X - X

Power | Wavelength | Optic

F = hand focusable
without F = fixed focus

Product family name