

Z-LASER

Intelligent Solutions in Light

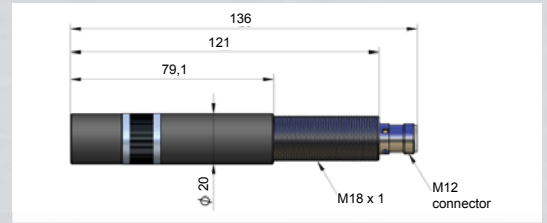
ZM18B-green

- » Highly visible green light with optical output power up to 40mW
- » Gaussian/uniform line and dot optics and various DOE optics available
- » 5 to 30VDC supply voltage with reverse polarity protection
- » Simple, external hand focusing mechanism
- » IP67 rated, water-proof and dust-proof
- » M18 thread mounted for simple and versatile mounting
- » LED laser operation indicator

Machine Vision
Automotive
Wood
Food & Beverage
Medical
Metal
Stone
Textile / Leather

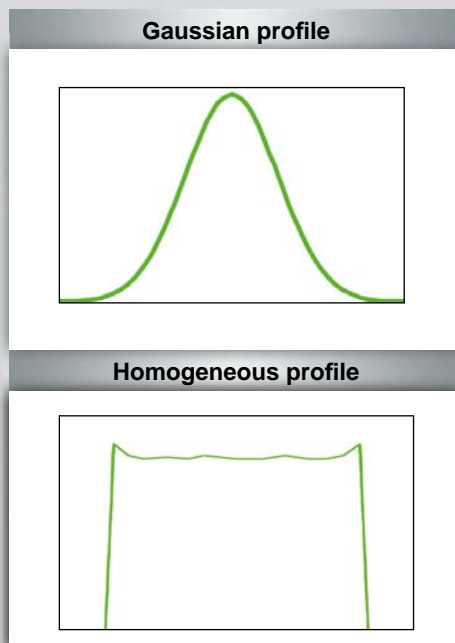


ZM18B-green



Mechanical specifications	
Dimensions	136mm x Ø 20mm (focusable version / fixed focus)
Housing	M18 industry housing, chromed brass Optic head: Anodised aluminium
IP rating	IP67
Weight	105g (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	Not available
Protection	Reverse polarity and transient protection / ESD, over temperature protection and LED pre-failure indicator
Optical specifications	
Wavelength	532nm
Output power	Up to 40mW
Power stability	< ±5% at constant temperature
Focus range	200mm up to ∞
Pointing stability	< 50µrad / °C constant temperature
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	0°C up to +45°C (heat dissipation e.g. mounting H8-M18)
Storage temperature	-20°C up to +60°C
Humidity	Max. 90%, non-condensing
MTTF at 25°C	> 10,000h

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



Optics

Order code

Z X M18B - X - 532 - X

Power | Wavelength | Optic

F = hand focusable
without F = fixed focus

Product family name