

Z-LASER

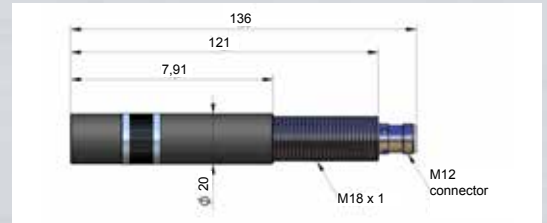
ZM18B-green

- » 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

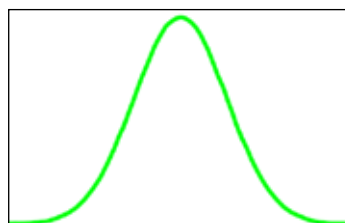
| | |
|---------------------|---|
| Case temperature | 0°C up to +45°C (heat dissipation e.g. mounting H8-M18) |
| Storage temperature | -20°C up to +60°C |
| Humidity | Max. 90%, non-condensing |
| MTTF at 25°C | > 10,000h |

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

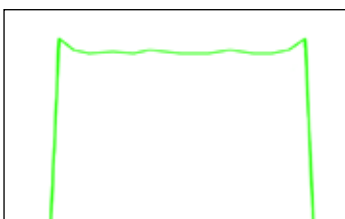
Accessories



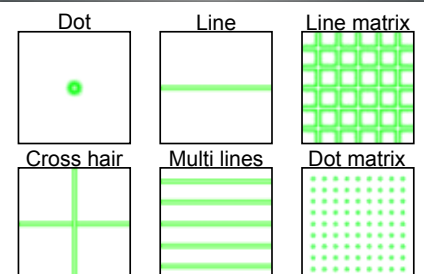
Gaussian profile



Homogeneous profile



Optics



Order code

Z X M18B - X - 532 - X

Power | Wavelength | Optic
 F = hand focusable
 without F = fixed focus
 Product family name

