

Spotlight white light

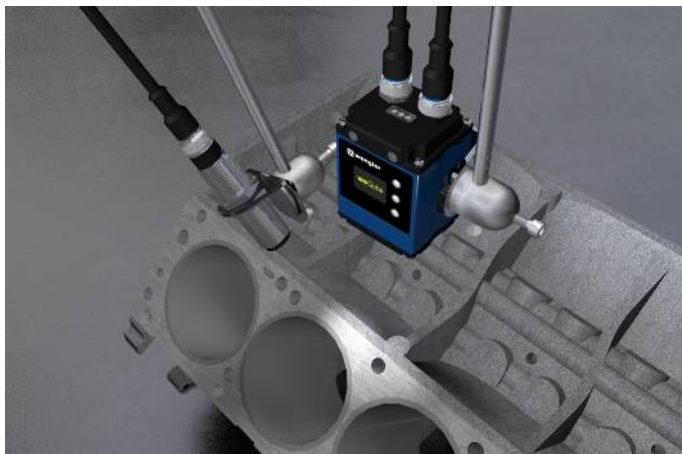
ZVZF200

Part Number



- Compact M18 standard design with IP67 degree of protection
- Continuous mode or strobe mode synchronized with the camera
- Homogeneous illumination of small areas

wenglor spot lights are ideally suited for vision applications in which only small areas need to be homogeneously illuminated. They can be operated in continuous mode or synchronized to the camera in strobe mode. Above all in applications where space is limited, users profit from the compact M18 format.

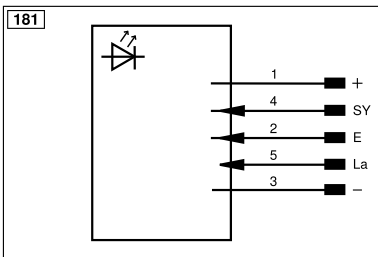
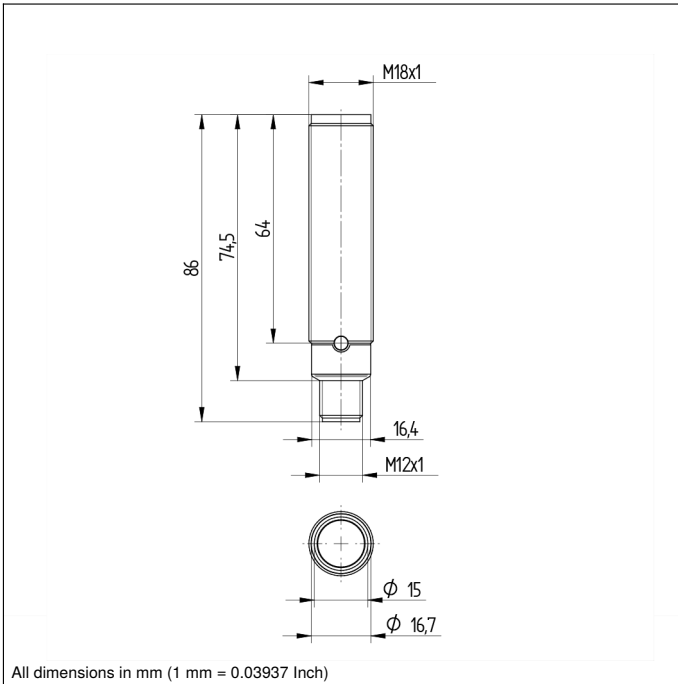


Technical Data

| Optical Data | |
|---|---------------------|
| Light Source | White Light |
| Color temperature | 5000 K |
| Service Life (T = +25 °C) | 100000 h |
| Risk Group (EN 62471) | 2 |
| Opening Angle | 30 ° |
| Electrical Data | |
| Supply Voltage | 18...30 V DC |
| Current consumption strobe mode (U _b = 24 V) | < 250 mA |
| Current Consumption Continuous Mode (U _b = 24 V) | < 100 mA |
| Flash Duration | 17...30000 µs |
| Duty Cycle | < 0,2 |
| Temperature Range | -30...50 °C |
| Storage temperature | -30...60 °C |
| Short Circuit and Overload Protection | yes |
| Reverse Polarity Protection | yes |
| Protection Class | III |
| Mechanical Data | |
| Housing Material | CuZn, nickel-plated |
| Degree of Protection | IP67 |
| Connection | M12 × 1; 4/5-pin |
| Weight | < 90 g |
| Safety-relevant Data | |
| MTTFd (EN ISO 13849-1) | 2494,3 a |
| Connection Diagram No. | 181 |
| Connection Table No. | 60 |
| Suitable Connection Equipment No. | 2 35 37 |
| Suitable Mounting Technology No. | 150 |

Complementary Products

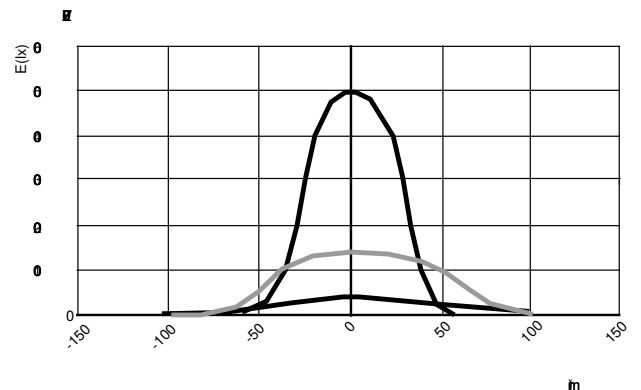
| |
|--------------------------|
| Connection cable ZDCG005 |
| ZC4G002 connection cable |
| ZDCG004 connection cable |



| Legend | | | |
|-----------|--|--|--------------------------------|
| + | Supply Voltage + | nc | Not connected |
| - | Supply Voltage 0 V | U | Test Input |
| ~ | Supply Voltage (AC Voltage) | Ü | Test Input inverted |
| A | Switching Output (NO) | W | Trigger Input |
| Ā | Switching Output (NC) | W- | Ground for the Trigger Input |
| V | Contamination/Error Output (NO) | O | Analog Output |
| ȳ | Contamination/Error Output (NC) | O- | Ground for the Analog Output |
| E | Input (analog or digital) | BZ | Block Discharge |
| T | Teach Input | Amv | Valve Output |
| Z | Time Delay (activation) | a | Valve Control Output + |
| S | Shielding | b | Valve Control Output 0 V |
| RxD | Interface Receive Path | SY | Synchronization |
| TxD | Interface Send Path | SY- | Ground for the Synchronization |
| RDY | Ready | E+ | Receiver-Line |
| GND | Ground | S+ | Emitter-Line |
| CL | Clock | ± | Grounding |
| E/A | Output/Input programmable | SnR | Switching Distance Reduction |
| IO-Link | IO-Link | Rx+/- | Ethernet Receive Path |
| PoE | Power over Ethernet | Tx+/- | Ethernet Send Path |
| IN | Safety Input | Bus | Interfaces-Bus A(+)/B(-) |
| OSSD | Safety Output | La | Emitted Light disengageable |
| Signal | Signal Output | Mag | Magnet activation |
| BI_D+/- | Ethernet Gigabit bidirect. data line (A-D) | RES | Input confirmation |
| ENo RS422 | Encoder 0-pulse 0/0 (TTL) | EDM | Contact Monitoring |
| PT | Platinum measuring resistor | ENARs422 | Encoder A/Ā (TTL) |
| | | ENBRs422 | Encoder B/B̄ (TTL) |
| | | ENA | Encoder A |
| | | ENB | Encoder B |
| | | AMIN | Digital output MIN |
| | | AMAX | Digital output MAX |
| | | AOK | Digital output OK |
| | | SY In | Synchronization In |
| | | SY OUT | Synchronization OUT |
| | | OLT | Brightness output |
| | | M | Maintenance |
| | | rsv | Reserved |
| | | Wire Colors according to DIN IEC 60757 | |
| | | BK | Black |
| | | BN | Brown |
| | | RD | Red |
| | | OG | Orange |
| | | YE | Yellow |
| | | GN | Green |
| | | BU | Blue |
| | | VT | Violet |
| | | GY | Grey |
| | | WH | White |
| | | PK | Pink |
| | | GNYE | Green/Yellow |

Light distribution diagram

Flash mode, referring to different working distances



r = Distance to Center Line

E = Illuminance

— 100 mm

— 200 mm

— 400 mm

