# Spot Light
**blue light**

# LSLB003
Part Number



- **Compact M30 standard design with IP67 degree of protection and zoom lens**
- **Continuous mode or strobe mode synchronized with the camera**
- **Homogeneous illumination of small areas**

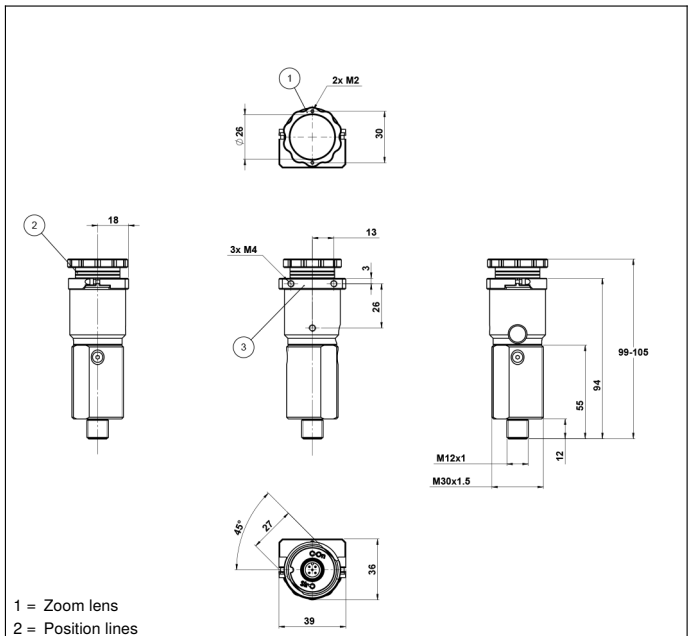
The LSL spotlight has a built-in, lockable zoom lens that provides an exceptional range of visual field, working distance and brightness variability. The illumination can be operated in continuous mode or synchronized with the camera in OverDrive strobe mode.

## Technical Data

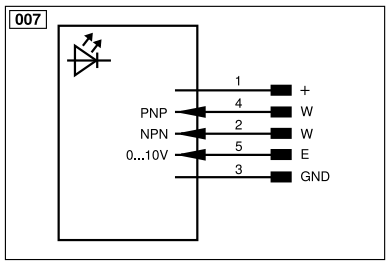
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|---|---|
| **Optical Data** | |
| Light Source | Blue Light |
| Wavelength | 470 nm |
| Risk Group (EN 62471) | 1 |
| Aperture angle | 4...26 ° |
| Measuring point distance | 100 mm |
| **Environmental conditions** | |
| Temperature Range | -10...40 °C |
| Storage temperature | -20...60 °C |
| Atmospheric humidity | < 80%, non-condensing |
| **Electrical Data** | |
| Supply Voltage | 21,6...26,4 V DC |
| Current consumption flash mode OverDrive (operating voltage = 24 V) | 0,55 A |
| Current Consumption Continuous Mode (Ub = 24 V) | 0,2 A |
| Flash duration (max.) | 10 ms |
| Duty cycle (max.) | < 0,2 |
| Dimming | 0...10 V ≙ 100...30% |
| OverDrive | yes |
| Rise time | 4 µs |
| Fall time | 25 µs |
| Input signal | NPN |
| Input signal | PNP |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Protection Class | III |
| **Mechanical Data** | |
| Housing Material | Aluminum, anodised |
| Housing Material | Glass |
| Housing Material | Plastic, PMMA |
| Optic Cover | Plastic, PMMA |
| Degree of Protection | IP67 |
| Connection | M12 × 1; 5-pin |

## Complementary Products

| |
|---|
| Connection cables |
| Lens accessory |
| Mounting adapter |
| Polarization filter |




1 = Zoom lens
2 = Position lines
3 = Locking/retaining ring
All dimensions in mm (1 mm = 0.03937 Inch)




| Legend | | | | | |
|---|---|---|---|---|---|
| + | Supply Voltage + | PT | Platinum measuring resistor | ENARS422 | Encoder A/Ā (TTL) |
| – | Supply Voltage 0 V | nc | Not connected | ENBRS422 | Encoder B/B̄ (TTL) |
| ~ | Supply Voltage (AC Voltage) | U | Test Input | ENA | Encoder A |
| A | Switching Output (NO) | Ū | Test Input inverted | ENB | Encoder B |
| Ā | Switching Output (NC) | W | Trigger Input | AMIN | Digital output MIN |
| V | Contamination/Error Output (NO) | W– | Ground for the Trigger Input | AMAX | Digital output MAX |
| V̄ | Contamination/Error Output (NC) | O | Analog Output | AOK | Digital output OK |
| E | Input (analog or digital) | O– | Ground for the Analog Output | SY In | Synchronization In |
| T | Teach Input | BZ | Block Discharge | SY OUT | Synchronization OUT |
| R | Reset input | AMV | Valve Output | OLT | Brightness output |
| Z | Time Delay (activation) | a | Valve Control Output + | M | Maintenance |
| S | Shielding | b | Valve Control Output 0 V | rsv | Reserved |
| RxD | Interface Receive Path | SY | Synchronization | Wire Colors according to DIN IEC 60757 | |
| TxD | Interface Send Path | SY– | Ground for the Synchronization | BK | Black |
| RDY | Ready | E+ | Receiver-Line | BN | Brown |
| GND | Ground | S+ | Emitter-Line | RD | Red |
| CL | Clock | ⏚ | Grounding | OG | Orange |
| E/A | Output/Input programmable | SnR | Switching Distance Reduction | YE | Yellow |
| | IO-Link | Rx+/– | Ethernet Receive Path | GN | Green |
| PoE | ower over Ethernet | Tx+/– | Ethernet Send Path | BU | Blue |
| IN | Safety Input | Bus | Interfaces-Bus A(+)/B(–) | VT | Violet |
| OSSD | Safety Output | La | Emitted Light disengageable | GY | Grey |
| Signal | Signal Output | Mag | Magnet activation | WH | White |
| BI_D+/– | Ethernet Gigabit bidirect. data line (A-D) | RES | Input confirmation | PK | Pink |
| EN0 RS422 | Encoder 0-pulse 0/0̄ (TTL) | EDM | Contactor Monitoring | GNYE | Green/Yellow |

Specifications are subject to change without notice V0-03.11.2026