

Spot Light

red light

LSLR001

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

Optical Data

Light Source	Red Light
Wavelength	630 nm
Risk Group (EN 62471)	1
Aperture angle	4...26 °
Red light output	1197 W/m ²
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 (U _b = 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

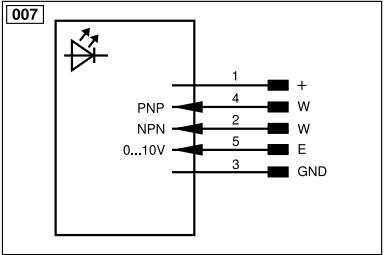
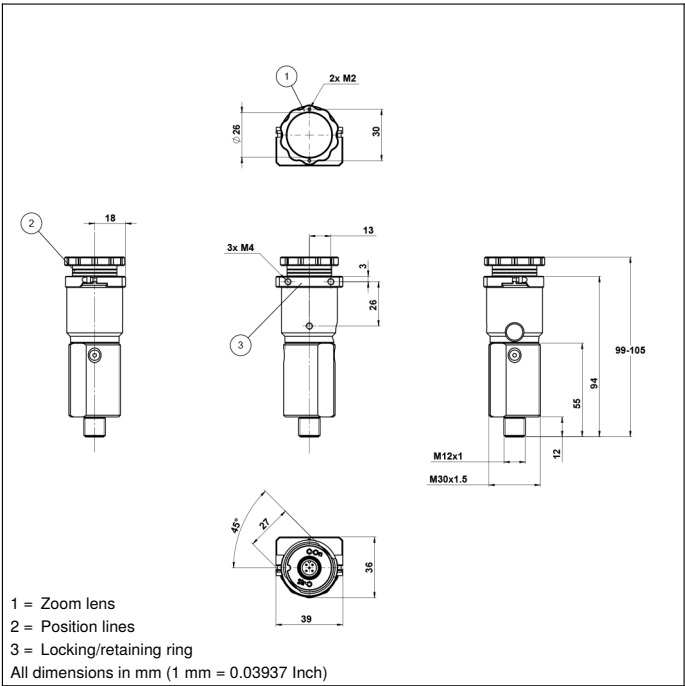
Housing Material	Aluminum, anodised
Housing Material	Glass
Housing Material	Plastic, PMMA
Optic Cover	Plastic, PMMA
Degree of Protection	IP67
Connection	M12 × 1; 5-pin

Connection Diagram No.

007

Complementary Products

Connection cables
Lens accessory
Mounting adapter
Polarization filter



Legend			
+	Supply Voltage +	PT	Platinum measuring resistor
-	Supply Voltage 0 V	nc	Not connected
~	Supply Voltage (AC Voltage)	U	Test Input
A	Switching Output (NO)	Ū	Test Input inverted
Ā	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input
Ū	Contamination/Error Output (NC)	O	Analog Output
E	Input (analog or digital)	O-	Ground for the Analog Output
T	Teach Input	BZ	Block Discharge
R	Reset 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(-)
QSSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
BL_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contact Monitoring
		ENARs422	Encoder A/Ā (TTL)
		ENBRs422	Encoder B/Ĕ (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