

white light

# LSLW002

Part Number



- Compact M30 standard housing shape with exchangeable lighting modules
- Continuous mode or strobe mode synchronized with the camera
- Ø 8 mm light focusing for use with telecentric coaxial lenses

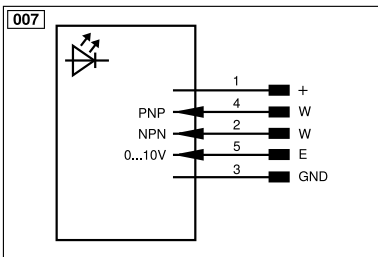
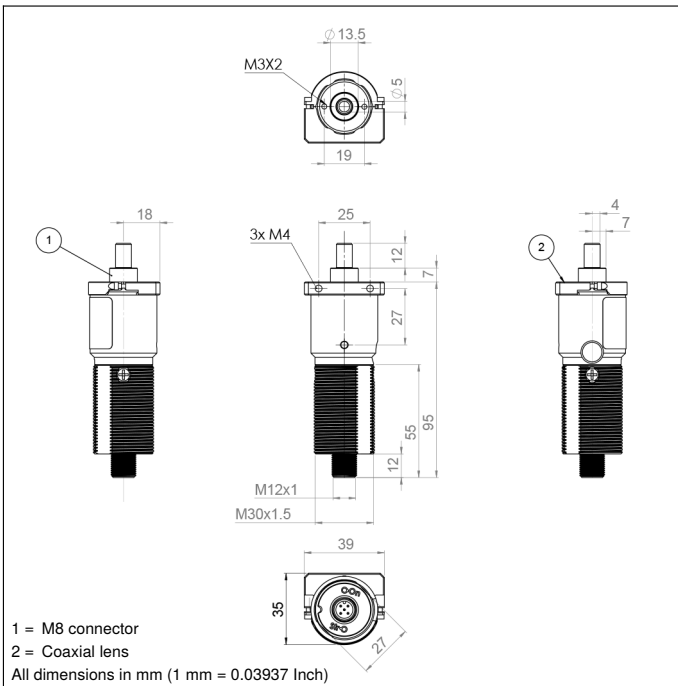
The LSLx002 spot light is a small illumination with highly focused light for telecentric coaxial or macro lens applications. The illumination can be operated in continuous mode or synchronized with the camera in flash mode overdrive.

## Technical Data

Optical Data	
Light Source	White Light
Color temperature	5700 K
Risk Group (EN 62471)	1
Aperture angle	120 °
White light output	1,3894e+006 Lux
Measuring point distance	0 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 <sub>b</sub> = 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	PNP/NPN
Short Circuit and Overload Protection	yes
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Housing Material	Aluminum, anodised
Housing Material	Plastic, PMMA
Optic Cover	Plastic, PMMA
Degree of Protection	IP50
Connection	M12 × 1; 5-pin
Connection Diagram No.	<b>007</b>

## Complementary Products

Connection cables
Lens accessory
Mounting adapter



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		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
Bl_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contactor Monitoring
PT	Platinum measuring resistor	ENARs422	Encoder A/Ā (TTL)
			Encoder B/B̄ (TTL)
			Encoder A
			Encoder B
			Digital output MIN
			Digital output MAX
			Digital output OK
			Synchronization In
			Synchronization OUT
			Brightness output
			Maintenance
			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

