

# Spotlight

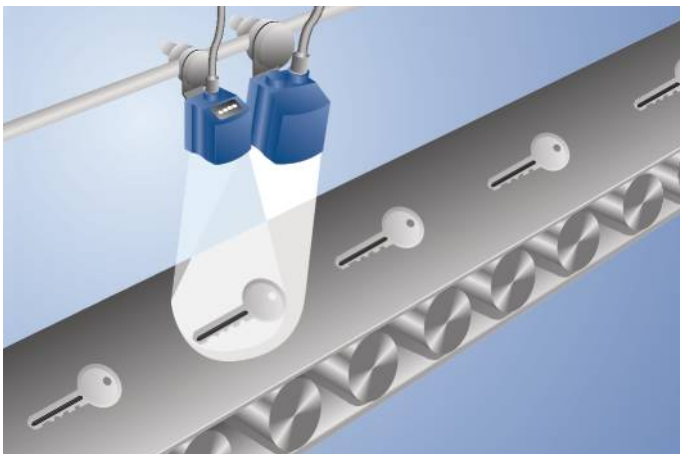
## ZFSB08-01

Part Number



- Compact housing
- Flash mode synchronizable with image processing
- High protection class IP67

The wenglor spotlight illuminates the application evenly. It is mounted easily even at cramped space conditions. This illumination is suited to supplement internal illuminations.



### Technical Data

#### Optical Data

Light Source	Blue Light
Wavelength	470 nm
Risk Group (EN 62471)	1

#### Electrical Data

Supply Voltage	18...30 V DC
Current Consumption (U <sub>b</sub> = 24 V)	< 200 mA
Temperature Range	0...60 °C
Reverse Polarity Protection	yes
Protection Class	III

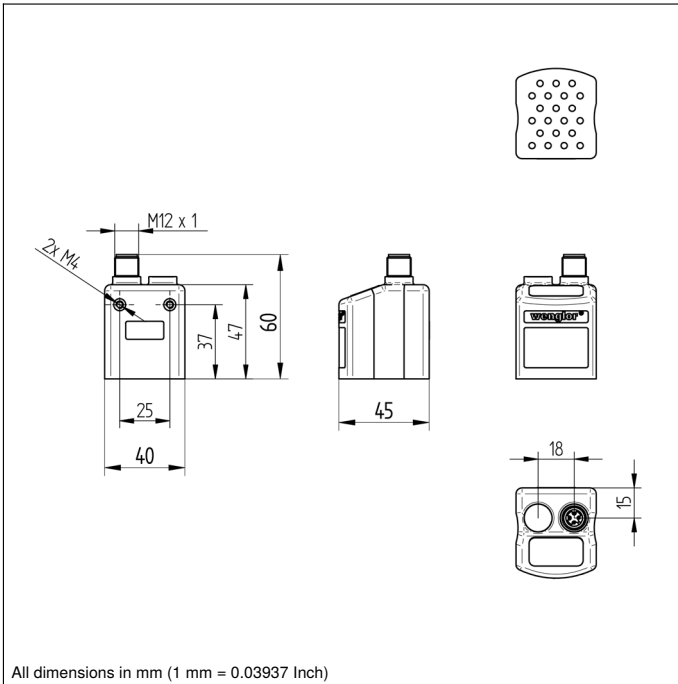
#### Mechanical Data

Housing Material	Plastic
Degree of Protection	IP67
Connection	M12 × 1; 4-pin

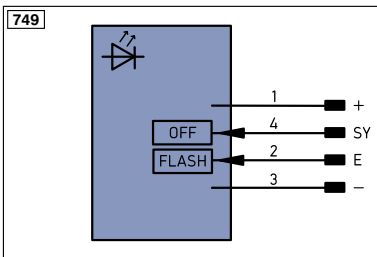
Connection Diagram No.	<b>749</b>
Connection Table No.	<b>32</b>
Suitable Connection Equipment No.	<b>2</b>
Suitable Mounting Technology No.	<b>360</b>

### Complementary Products

Connection Cable BG2BSW1-08M, ZAV89V901, ZDCG001
Polarization Filter ZNNG005, ZVPB40801
Protective Housing ZSV-0x-01



All dimensions in mm (1 mm = 0.03937 Inch)



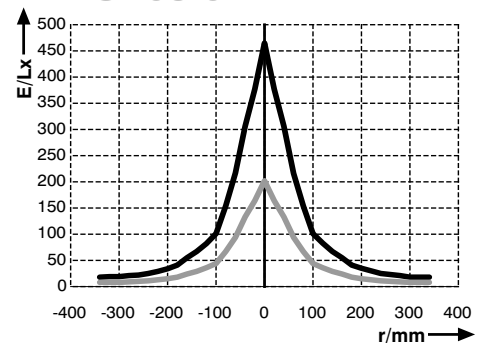
### Legend

+	Supply Voltage +	PT	Platinum measuring resistor	EN <sup>A</sup> RS422	Encoder A/Ā (TTL)
-	Supply Voltage 0 V	nc	not connected	EN <sup>B</sup> RS422	Encoder B/B̄ (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	EN <sup>A</sup>	Encoder A
A	Switching Output (NO)	Ū	Test Input inverted	EN <sup>B</sup>	Encoder B
Ā	Switching Output (NC)	W	Trigger Input	A <sub>MIN</sub>	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	A <sub>MAX</sub>	Digital output MAX
Ṽ	Contamination/Error Output (NC)	O	Analog Output	A <sub>OK</sub>	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY <sub>in</sub>	Synchronization In
T	Teach Input	BZ	Block Discharge	SY <sub>OUT</sub>	Synchronization OUT
Z	Time Delay (activation)	AWV	Valve Output	OLT	Brightness output
S	Shielding	a	Valve Control Output +	M	Maintenance
RxD	Interface Receive Path	b	Valve Control Output 0 V	rsv	reserved
TxD	Interface Send Path	SY	Synchronization	Wire Colors according to DIN IEC 757	
RDY	Ready	SY-	Ground for the Synchronization	BK	Black
GND	Ground	E+	Receiver-Line	BN	Brown
CL	Clock	S+	Emitter-Line	RD	Red
E/A	Output/Input programmable	±	Grounding	OG	Orange
	IO-Link	S <sub>n</sub> R	Switching Distance Reduction	YE	Yellow
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path	GN	Green
IN	Safety Input	Tx+/-	Ethernet Send Path	BU	Blue
OSSD	Safety Output	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
Signal	Signal Output	L <sub>a</sub>	Emitted Light disengageable	GY	Grey
Bl_D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN <sup>0</sup> RS422	Encoder 0-pulse 0-0̄ (TTL)	RES	Input confirmation	PK	Pink
		EDM	Contactor Monitoring	GNYE	Green/Yellow

## Brightness profile

Offset from optical axis, distance 200 mm

### ZFSB08-01



r = Offset

E = Illuminance

— Flashlight mode

- - - DC mode

