

Spotlight

ZVZF201

Part Number



- Compact M18 standard format with IP67 protection
- Continuous mode or flash mode synchronized with the camera
- Homogenous illumination of small areas

Technical Data

Optical Data

Light Source	Red Light
Wavelength	634 nm
Service Life (T = +25 °C)	100000 h
Opening Angle	30 °

Electrical Data

Supply Voltage	18...30 V DC
Current Consumption Flash Mode (Ub = 24 V)	< 220 mA
Current Consumption Continuous Mode (Ub = 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

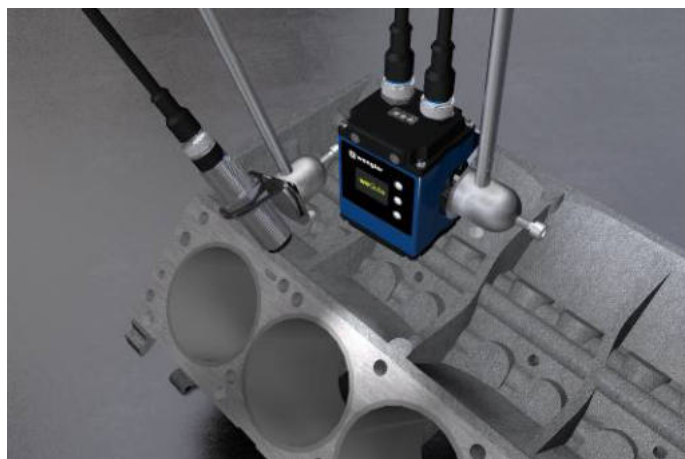
Housing Material	CuZn, nickel-plated
Degree of Protection	IP67
Connection	M12 × 1; 4/5-pin

Safety-relevant Data

MTTFd (EN ISO 13849-1)	2494,3 a
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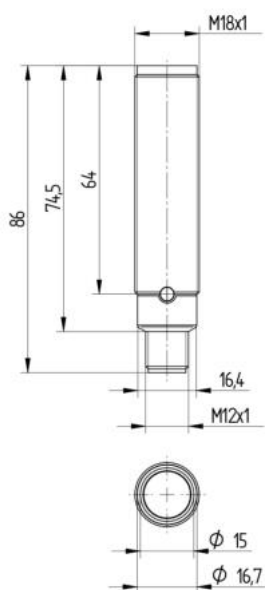
Connection Diagram No.	181
Connection Table No.	60
Suitable Connection Equipment No.	2 35 37
Suitable Mounting Technology No.	150

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



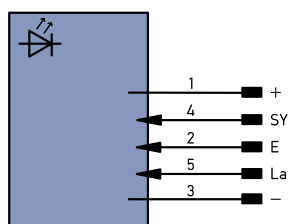
Complementary Products

Connection Cable ZDCG001
Connection Cable ZDMG001



All dimensions in mm (1 mm = 0.03937 Inch)

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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)	U	Test Input inverted
Ä	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input
V	Contamination/Error Output (NC)	O	Analog Output
E	Input (analog or digital)	O-	Ground for the Analog Output
T	Teach Input	BZ	Block Discharge
Z	Time Delay (activation)	AWV	Valve Output
S	Shielding	a	Valve Control Output +
RxD	Interface Receive Path	b	Valve Control Output 0 V
TxD	Interface Send Path	SY	Synchronization
RDY	Ready	SY-	Ground for the Synchronization
GND	Ground	E+	Receiver-Line
CL	Clock	S+	Emitter-Line
E/A	Output/Input programmable	±	Grounding
IO-Link	IO-Link	SnR	Switching Distance Reduction
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path
IN	Safety Input	Tx+/-	Ethernet Send Path
OSSD	Safety Output	Bus	Interfaces-Bus A(+)/B(-)
Signal	Signal Output	La	Emitted Light disengageable
BI-D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation
EN0.5S42	Encoder 0-pulse 0-0 (TTL)	RES	Input confirmation
		EDM	Contact Monitoring

EN0.5S42	Encoder A/Ä (TTL)
EN0.5S42	Encoder B/Ä (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 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

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