Floodlight

ZFFI09-01

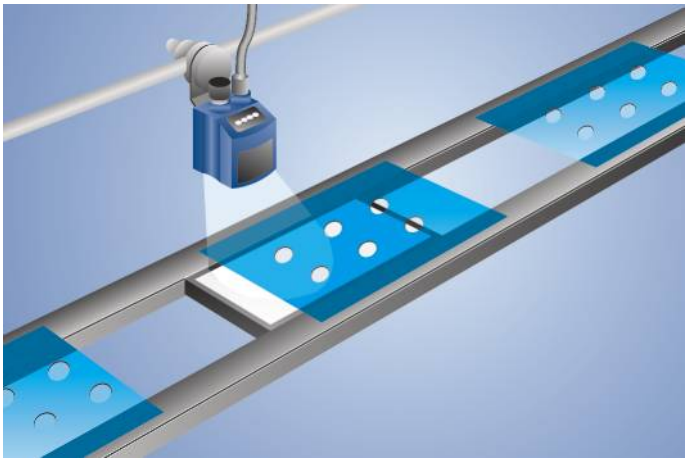
Part Number

- **Diffuse illumination with incident light mode**
- **Especially for through-beam operating mode**
- **Flashlight mode synchronizable with image processing**

Technical Data

Optical Data	
Light Source	Infrared Light
Wave Length	850 nm
Radiance (continuous light mode)	~ 3,8 W/m²sr
Radiance (flashlight mode)	~ 12,9 W/m²sr
Electrical Data	
Supply Voltage	22...27 V DC
Current Consumption (Ub = 24 V)	< 300 mA
Temperature Range	0...50 °C
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Luminous Field Length (L)	80 mm
Housing Material	Aluminum
Degree of Protection	IP42
Connection	M12 × 1; 4-pin
Connection Diagram No.	749
Connection Table No.	32
Suitable Connection Technology No.	2

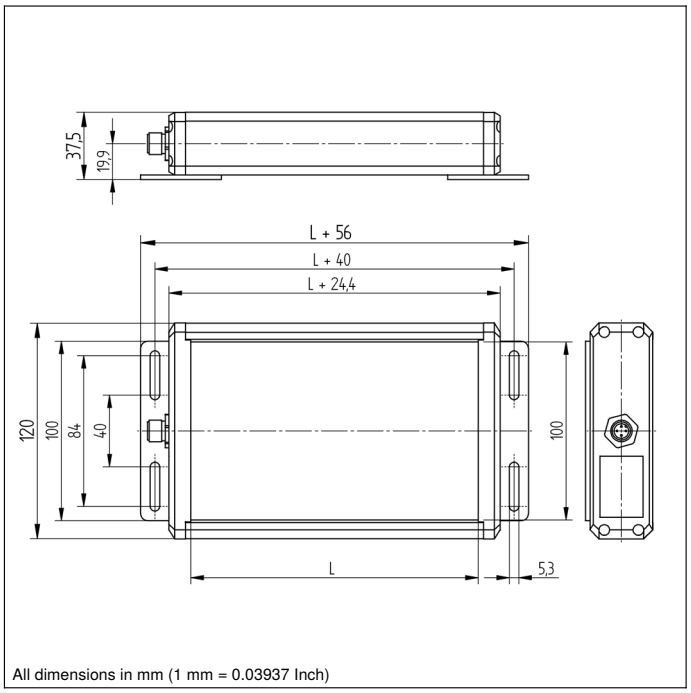
The wenglor floodlight can be used either with through-beam or incident light operating mode. Transparent and reflective objects as well as object contours are illuminated well.



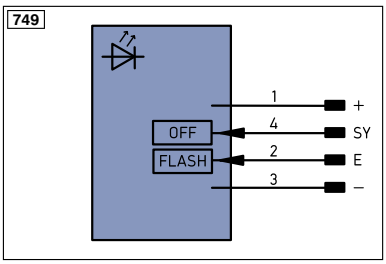
Complementary Products

Connection Cable BG2BSW1-08M, ZAV89V901, ZDCG001

Polarization Filter ZNNG008, ZVP0F0901



All dimensions in mm (1 mm = 0.03937 Inch)



Legend

+	Supply Voltage +	
–	Supply Voltage 0 V	
~	Supply Voltage (AC Voltage)	
A	Switching Output	(NO)
Ā	Switching Output	(NC)
V	Contamination/Error Output	(NO)
V̄	Contamination/Error Output	(NC)
E	Input (analog or digital)	
T	Teach Input	
Z	Time Delay (activation)	
S	Shielding	
RxD	Interface Receive Path	
TxD	Interface Send Path	
RDY	Ready	
GND	Ground	
CL	Clock	
E/A	Output/Input programmable	
	IO-Link	
PoE	Power over Ethernet	
IN	Safety Input	
OSSD	Safety Output	
Signal	Signal Output	
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	
EN0 RS422	Encoder 0-pulse 0-0̄ (TTL)	
PT	Platinum measuring resistor	
nc	not connected	
U	Test Input	
Ū	Test Input inverted	
W	Trigger Input	
O	Analog Output	
O–	Ground for the Analog Output	
BZ	Block Discharge	
AMV	Valve Output	
a	Valve Control Output +	
b	Valve Control Output 0 V	
SY	Synchronization	
E+	Receiver-Line	
S+	Emitter-Line	
⏚	Grounding	
SnR	Switching Distance Reduction	
Rx+/–	Ethernet Receive Path	
Tx+/–	Ethernet Send Path	
Bus	Interfaces-Bus A(+)/B(–)	
La	Emitted Light disengageable	
Mag	Magnet activation	
RES	Input confirmation	
EDM	Contactor Monitoring	
ENA RS422	Encoder A/Ā (TTL)	
ENB RS422	Encoder B/B̄ (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	

Wire Colors according to DIN IEC 757

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