Floodlight

ZFFW09-01

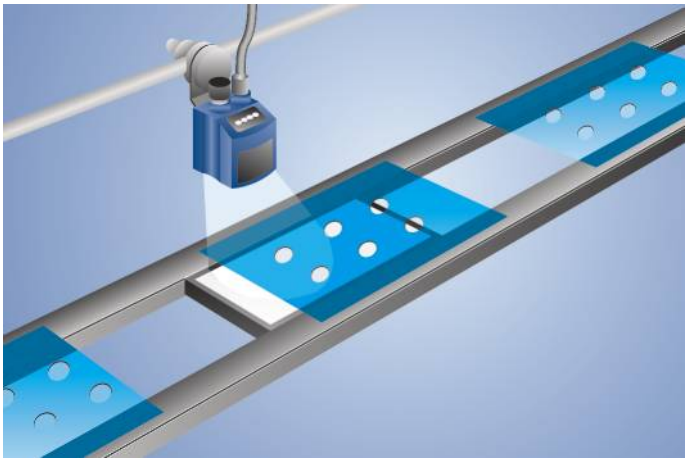
Part Number

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

Technical Data

Optical Data	
Light Source	White Light
Luminance (continuous light mode)	~ 1150 cd/m²
Luminance (flashlight mode)	~ 2300 cd/m²
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

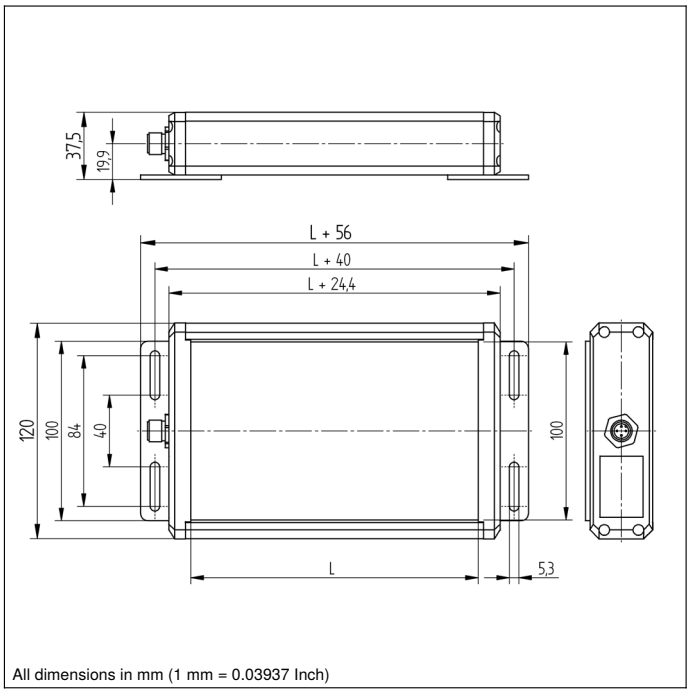
The wenglor floodlight can be used either with through-beam or incident light operating mode. Transparent and reflective objects as well as object contours are illuminated well.



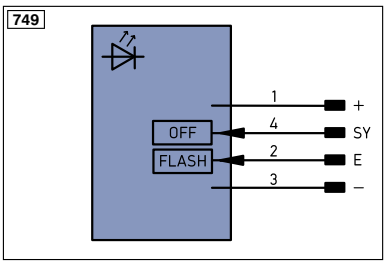
Complementary Products

Connection Cable BG2BSW1-08M, ZAV89V901, ZDCG001

Polarizing Filter ZNNG008



All dimensions in mm (1 mm = 0.03937 Inch)



Legend

+	Supply Voltage +	PT	Platinum measuring resistor	ENA	Encoder A
–	Supply Voltage 0 V	nc	not connected	ENB	Encoder B
~	Supply Voltage (AC Voltage)	U	Test Input	AM N	Digital output MIN
A	Switching Output (NO)	Ū	Test Input inverted	AMAX	Digital output MAX
Ā	Switching Output (NC)	W	Trigger Input	AOK	Digital output OK
V	Contamination/Error Output (NO)	O	Analog Output	SY In	Synchronization In
V̄	Contamination/Error Output (NC)	O–	Ground for the Analog Output	SY OUT	Synchronization OUT
E	Input (analog or digital)	BZ	Block Discharge	OLT	Brightness output
T	Teach Input	AMV	Valve Output		
Z	Time Delay (activation)	a	Valve Control Output +		**Wire Colors according to DIN IEC 757**
S	Shielding	b	Valve Control Output 0 V	BK	Black
RxD	Interface Receive Path	SY	Synchronization	BN	Brown
TxD	Interface Send Path	E+	Receiver-Line	RD	Red
RDY	Ready	S+	Emitter-Line	OG	Orange
GND	Ground	⏚	Grounding	YE	Yellow
CL	Clock	SnR	Switching Distance Reduction	GN	Green
E/A	Output/Input programmable	Rx+/–	Ethernet Receive Path	BU	Blue
	IO-Link	Tx+/–	Ethernet Send Path	VT	Violet
PoE	Power over Ethernet	Bus	Interfaces-Bus A(+)/B(–)	GY	Grey
IN	Safety Input	La	Emitted Light disengageable	WH	White
OSSD	Safety Output	Mag	Magnet activation	PK	Pink
Signal	Signal Output	RES	Input confirmation	GNYE	Green Yellow
M	Maintenance	EDM	Contactor Monitoring		