Floodlight

ZVZF003

Part Number
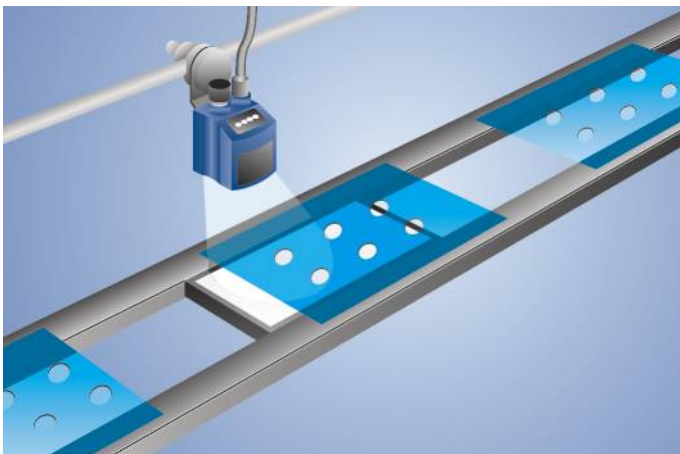

- ● **Diffuse illumination with incident light mode**
- ● **Especially for through-beam operating mode**
- ● **Flashlight mode synchronizable with image processing**
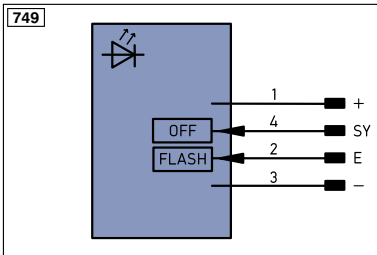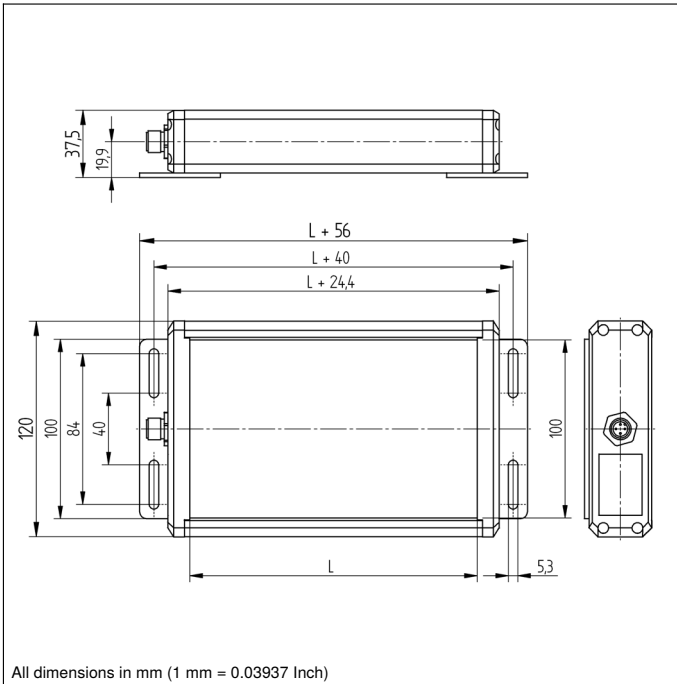
The wenglor floodlight can be used either with through-beam or incident light operating mode. Transparent and reflective objects as well as object contours are illuminated well.

Technical Data

Optical Data	
Light Source	White Light
Service Life (T = +25 °C)	100000 h
Luminance (continuous light mode)	~ 13000 cd/m²
Luminance (flashlight mode)	~ 35000 cd/m²
Electrical Data	
Supply Voltage	22...27 V DC
Current Consumption (Ub = 24 V)	< 1200 mA
Temperature Range	0...50 °C
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Luminous Field Length (L)	240 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

Complementary Products

Connection Cable BG2BSW1-08M, ZAV89V901, ZDCG001

Image Processing and Smart Cameras

All dimensions in mm (1 mm = 0.03937 Inch)

749

1	+
4	SY
2	E
3	−

OFF
FLASH

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		Amin	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		Amw	Valve Output		M	Maintenance
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		E+	Receiver-Line			
RDY	Ready		S+	Emitter-Line			
GND	Ground		⏚	Grounding			
CL	Clock		SnR	Switching Distance Reduction			
E/A	Output/Input programmable		Rx+/−	Ethernet Receive Path			
⟳	IO-Link		Tx+/−	Ethernet Send Path			
PoE	Power over Ethernet		Bus	Interfaces-Bus A(+)/B(−)			
IN	Safety Input		La	Emitted Light disengageable			
OSSD	Safety Output		Mag	Magnet activation			
Signal	Signal Output		RES	Input confirmation			
Bl_D+/−	Ethernet Gigabit bidirect. data line (A-D)		EDM	Contactor Monitoring			
EN0RS422	Encoder 0-pulse 0-0̄ (TTL)		ENaRS422	Encoder A/Ā (TTL)			
			ENbRS422	Encoder B/B̄ (TTL)			

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