

Ring Illuminator

ZFRW11-02

Part Number



- Flashlight mode synchronizable with image processing
- High illumination intensity
- Mounting possible directly around camera lens
- No formation of shades

Technical Data

Optical Data

Light Source	White Light
Risk Group (EN 62471)	1

Electrical Data

Supply Voltage	22...30 V DC
Current Consumption (U _b = 24 V)	< 600 mA
Temperature Range	0...60 °C
Reverse Polarity Protection	yes
Protection Class	III

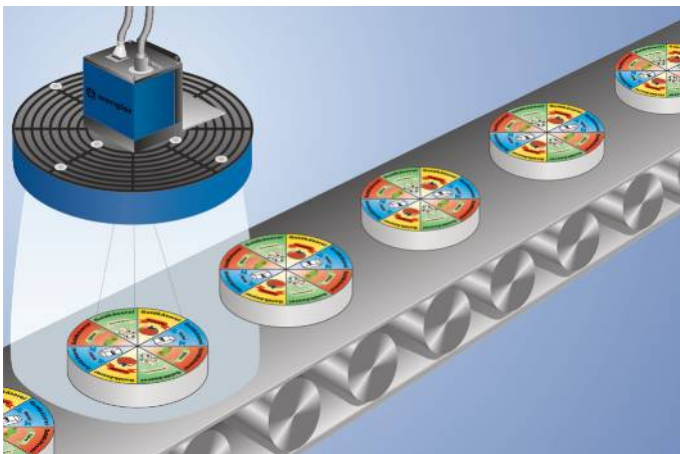
Mechanical Data

Housing Material	Plastic, AL
Degree of Protection	IP42
Connection	M12 × 1; 4-pin

Connection Diagram No.	749
Connection Table No.	32
Suitable Connection Technology No.	2
Suitable Mounting Technology No.	470 480

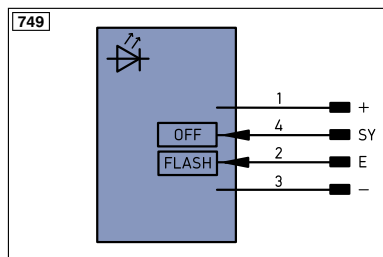
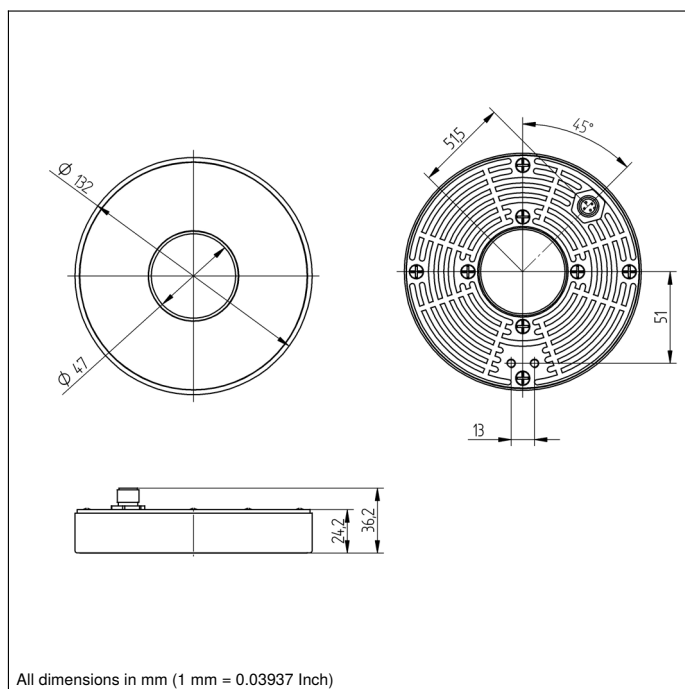
The wenglor ring illuminator illuminates the application evenly.

It is especially well suited for the detection of colors and prints. Even contrasts on matt surfaces are detected very well.



Complementary Products

Connection Cable BG2BSW1-08M, ZAV89V901, ZDCG001
Polarization Filter ZNNG011, ZVP0F1101



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
Ā	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	O	Analog Output
Ṽ	Contamination/Error Output (NC)	O-	Ground for the Analog Output
E	Input (analog or digital)	BZ	Block Discharge
T	Teach Input	AWV	Valve Output
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
BI-D+/-	Ethernet Gigabit bidirect. data line (A-D)	EDM	Contactors Monitoring
EN0 RS422	Encoder 0-pulse 0-0 (TTL)	ENAR5422	Encoder A/Ā (TTL)
		ENBR5422	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

