

Ring Light

white light, 76 mm

LRLW200

Part Number



- Auto strobe (OverDrive) light with robust housing & integrated current control
- Flexibility: expand the beam angle with an Angle Changer
- IP67-certified LED ring light
- Powerful ring light with a variety of mounting options for easy integration

wenglor LRLx200 ring lights are highly intensive and extremely homogeneous ring lights with two operating modes: Continuous mode and strobe OverDrive. The robust IP67 housing is equipped with magnets and fixing points for mounting angle changers, providing unparalleled flexibility in ring light illumination.

Technical Data

Optical Data

Light Source	White Light
Color temperature	4500 K
Risk Group (EN 62471)	1
Beam angle	$\pm 7^\circ$
White light output	166420 Lux
Measuring point distance	500 mm
Compatible with	Angle Changer

Environmental conditions

Temperature Range	-10...40 °C
Storage temperature	-20...60 °C
Atmospheric humidity	< 80%, non-condensing

Electrical Data

Supply Voltage	21,6...26,4 V DC
Power	21,6 W
Peak power	86,4 W
Current Consumption Continuous Mode (Ub = 24 V)	0,9 A
Current consumption flash mode OverDrive (operating voltage = 24 V)	3,6 A
Flash duration (max.)	10 ms
Duty cycle (max.)	< 0,1
Rise time	15 μ s
Fall time	15 μ s
Input signal	NPN
Input signal	PNP
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Dimming	0...10 V Δ 100...30%
OverDrive	yes

Mechanical Data

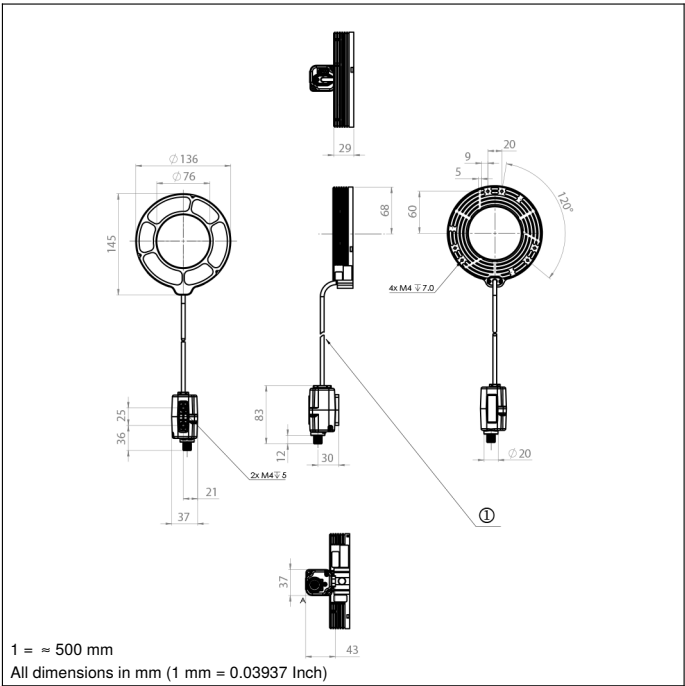
Luminous Field	$\varnothing$ 136 mm
Housing Material	Aluminum, anodised
Housing Material	Plastic, PMMA
Degree of Protection	IP67
Connection	M12 $\times$ 1; 5-pin
Max. cable length	10 m

Function

Operating modes	Continuous, strobe overdrive
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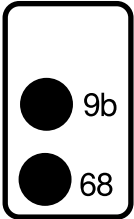
Complementary Products

Connection cables
Mounting adapter
ZRLG angle changer



Ctrl. Panel

T21



68 = Power LED
9b = Strobe Mode Indicator



Legend					
+	Supply Voltage +	PT	Platinum measuring resistor	ENAR5422	Encoder A/Ā (TTL)
-	Supply Voltage 0 V	nc	Not connected	ENBR5422	Encoder B/B̄ (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	ENa	Encoder A
A	Switching Output (NO)	Ū	Test Input inverted	ENb	Encoder B
Ā	Switching Output (NC)	W	Trigger Input	AMIN	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	AMAX	Digital output MAX
Ū	Contamination/Error Output (NC)	O	Analog Output	AOK	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY In	Synchronization In
T	Teach Input	BZ	Block Discharge	SY OUT	Synchronization OUT
R	Reset input	Amv	Valve Output	OLT	Brightness output
Z	Time Delay (activation)	a	Valve Control Output +	M	Maintenance
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved
RxD	Interface Receive Path	SY	Synchronization	Wire Colors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization		
RDY	Ready	E+	Receiver-Line	BK	Black
GND	Ground	S+	Emitter-Line	BN	Brown
CL	Clock	≡	Grounding	RD	Red
E/A	Output/Input programmable	SnR	Switching Distance Reduction	OG	Orange
IO-Link	IO-Link	Rx+/-	Ethernet Receive Path	YE	Yellow
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path	GN	Green
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)	BU	Blue
QSSD	Safety Output	La	Emitted Light disengageable	VT	Violet
Signal	Signal Output	Mag	Magnet activation	GY	Grey
BL_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	WH	White
ENo RS422	Encoder 0-pulse 0/1 (TTL)	EDM	Contact Monitoring	PK	Pink
				GNYE	Green/Yellow