Bar Light IP69K
Red light, 250 mm

LB9R201
Part Number

- **Certified for wash-down environments (DIN 400 50 Part 9)**
- **Industry-leading performance of the LBA bar light**
- **Mounting bracket included in scope of delivery**
- **No external control required**

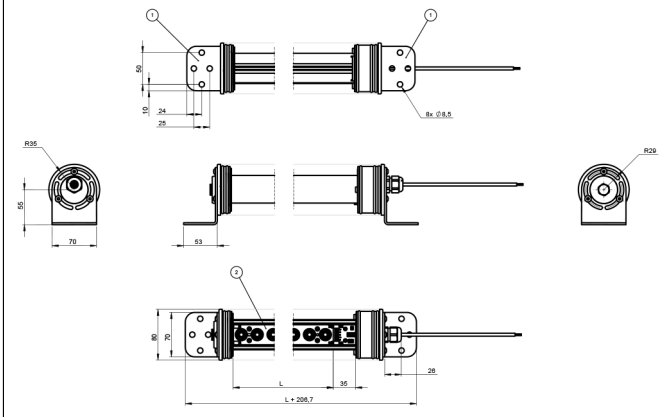
wenglor's LB9 series bar lights are industrial IP69K lights. The food-safe housing is perfect for environments where high-pressure, high-temperature cleaning with steam and cleaning chemicals is required. The homogeneous and intense luminous flux of the illumination device is perfectly suited for many types of applications with working distances in the near and far range. The LB9 bar lights can be used in continuous mode or synchronized with the Machine Vision Camera in strobe mode via PNP or NPN inputs. Bar lights come with L-holders as standard that allow 360° rotation, making them easy to mount and install.

Technical Data

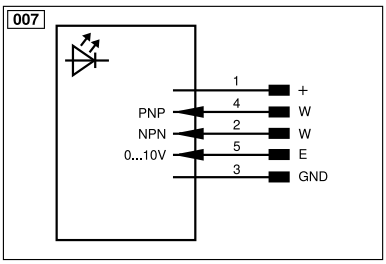
Optical Data	
Light Source	Red Light
Wavelength	630 nm
Beam angle	± 17 °
Red light output	198,75 W/m²
Measuring point distance	200 mm
Electrical Data	
Supply Voltage	21,6...26,4 V DC
Power	24 W
Current Consumption Continuous Mode (Ub = 24 V)	1 A
Rise time	15 µs
Fall time	10 µs
Input signal	PNP/NPN
Temperature Range	-20...40 °C
Storage temperature	-20...60 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Dimming	0...10 V ≙ 100...30%
Overdrive	no
Mechanical Data	
Luminous Field Length (L)	250 mm
Housing Material	Plastic, PMMA
Housing Material	Stainless steel, V4A (1.4404 / 316L)
Degree of Protection	IP69K
Optic Cover	Plastic, PMMA
Connection	5-core cable, 5 m
Cable Jacket Material	Plastic, PUR
Max. cable lenght	90 m
Outer diameter (d)	5,4 mm
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007

Complementary Products

ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



All dimensions in mm (1 mm = 0.03937 Inch)



Legend					
+	Supply Voltage +	nc	Not connected	ENBRS422	Encoder B/B̄ (TTL)
–	Supply Voltage 0 V	U	Test Input	ENA	Encoder A
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted	ENB	Encoder B
A	Switching Output (NO)	W	Trigger Input	AMIN	Digital output MIN
Ā	Switching Output (NC)	W–	Ground for the Trigger Input	AMAX	Digital output MAX
V	Contamination/Error Output (NO)	O	Analog Output	AOK	Digital output OK
V̄	Contamination/Error Output (NC)	O–	Ground for the Analog Output	SY In	Synchronization In
E	Input (analog or digital)	BZ	Block Discharge	SY OUT	Synchronization OUT
T	Teach 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	BK	Black
RDY	Ready	E+	Receiver-Line	BN	Brown
GND	Ground	S+	Emitter-Line	RD	Red
CL	Clock	⏚	Grounding	OG	Orange
E/A	Output/Input programmable	SnR	Switching Distance Reduction	YE	Yellow
	IO-Link	Rx+/–	Ethernet Receive Path	GN	Green
PoE	ower over Ethernet	Tx+/–	Ethernet Send Path	BU	Blue
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(–)	VT	Violet
OSSD	Safety Output	La	Emitted Light disengageable	GY	Grey
Signal	Signal Output	Mag	Magnet activation	WH	White
BI_D+/–	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	PK	Pink
EN0 RS422	Encoder 0-pulse 0/0̄ (TTL)	EDM	Contactor Monitoring	GNYE	Green/Yellow
PT	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)		