

Bar Light IP69K

white light, 625 mm

LB9W601

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 with food-safe housing. Suitable for environments that require high-pressure/high-temperature cleaning with steam and cleaning chemicals. The homogeneous and intense luminous flux of the illumination device enables 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. The standard L-brackets enable 360° rotation for easy installation.

Technical Data

Optical Data

Light Source	White Light
Color temperature	6500 K
Risk Group (EN 62471)	1
Beam angle	± 17 °
White light output	68000 Lux
Measuring point distance	200 mm

Environmental conditions

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

Electrical Data

Supply Voltage	21,6...26,4 V DC
Power	76,8 W
Current Consumption Continuous Mode (Ub = 24 V)	3,2 A
Rise time	15 µs
Fall time	10 µs
Input signal	PNP/NPN
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)	625 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 length	34 m
Outer diameter (d)	5,4 mm

Function

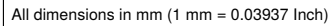
Operating modes	Continuous, Strobe
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Connection Diagram No.

007

Complementary Products

ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



Legend					
+	Supply Voltage +	nc	Not connected	EN _{BRG422}	Encoder B/B̄ (TTL)
-	Supply Voltage 0 V	U	Test Input	EN _A	Encoder A
~	Supply Voltage (AC Voltage)	Ü	Test Input inverted	EN _B	Encoder B
A	Switching Output (NO)	W	Trigger Input	AM _{IN}	Digital output MIN
Ä	Switching Output (NC)	W-	Ground for the Trigger Input	AM _{AX}	Digital output MAX
V	Contamination/Error Output (NO)	O	Analog Output	AOK	Digital output OK
Ů	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	AM _v	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	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
OSSD	Safety Output	La	Emitted Light disengageable	VT	Violet
Signal	Signal Output	Mag	Magnet activation	GY	Grey
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	WH	White
EN ₀ RS422	Encoder 0-pulse 0/Ü (TTL)	EDM	Contact or Monitoring	PK	Pink
PT	Platinum measuring resistor	EN _{ARs422}	Encoder A/Ä (TTL)	GN _{YE}	Green/Yellow