

Bar Light

Infrared, 375 mm

LBAI301

Part Number



- Create patented curve effect to reduce LED hot spots
- Flexibility: expand the beam angle with an Angle Changer
- No external control required
- Overdrive

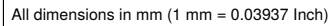
wenglor bar lights from the LBA series are suitable for both small and large working distances. The direct lights can create lighting effects like bright field, low angle of incidence, dark field and dome lighting. Some line scanning applications are also possible. The LBA bar lights can be operated in continuous mode with high intensity or synchronized with the machine vision camera in strobe mode with increased luminosity (overdrive). In combination with the ZBAG angle changers, the beam angle can be enlarged and designed flexibly.

Technical Data

Optical Data	
Light Source	Infrared Light
Wavelength	850 nm
Risk Group (EN 62471)	1
Beam angle	$\pm 7^\circ$
Infrared light output	340 W/m ²
Measuring point distance	200 mm
Compatible with	Angle Changer
Environmental conditions	
Temperature Range	0...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 (U _b = 24 V)	0,9 A
Current consumption flash mode overdrive (operating voltage = 24 V)	3,6 A
Flash Duration	30 ms
Duty Cycle	< 0,2
Rise time	15 μ s
Fall time	10 μ s
Input signal	PNP/NPN
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Dimming	0...10 V \pm 100...30%
Overdrive	yes
Mechanical Data	
Luminous Field Length (L)	375 mm
Housing Material	Aluminum, anodised
Housing Material	Plastic, ABS/GF
Degree of Protection	IP65
Optic Cover	Plastic, PMMA
Connection	M12 \times 1; 5-pin
Max. cable length	150 m
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007
Control Panel No.	T17
Suitable Mounting Technology No.	925

Complementary Products

ZBAG angle changer
ZBAZ001 bar clamp
ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



Legend

T17



9b = Strobe Mode Indicator