

Bar Light Diffuse

Infrared, 250 mm

LBDI201

Part Number



- No external control required
- No LED hot spots
- Very diffuse light

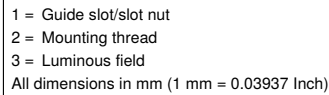
wenglor's LBD series bar lights are highly diffuse luminaires that are perfect for diffuse illumination at low angles of incidence, direct illumination at low working distances, and backlight illumination of specific features in the visual field. The LBD bar lights can be used in continuous mode or synchronized with the Machine Vision Camera in strobe mode via PNP or NPN inputs. The integrated power control and flexible mounting options make the illumination very easy to install and perfect for a wide range of applications in industrial image processing and identification.

Technical Data

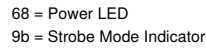
Optical Data	
Light Source	Infrared Light
Wavelength	850 nm
Risk Group (EN 62471)	1
Beam angle	± 65 °
Infrared light output	178 W/m²
Environmental conditions	
Temperature Range	0...40 °C
Storage temperature	-20...60 °C
Atmospheric humidity	< 80%, non-condensing
Electrical Data	
Supply Voltage	21,6...26,4 V DC
Power	19,2 W
Current Consumption Continuous Mode (U _b = 24 V)	0,8 A
Rise time	15 µs
Fall time	10 µs
Input signal	NPN
Input signal	PNP
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
Luminous Field Width (W)	31,5 mm
Luminous Field	250 × 31,5 mm
Housing Material	Aluminum, anodised
Housing Material	Plastic, ABS-GF
Degree of Protection	IP65
UL Enclosure Type	1
Optic Cover	Plastic, PMMA
Connection	M12 × 1; 5-pin
Max. cable length	90 m
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007
Suitable Mounting Technology No.	925

Complementary Products

ZBAZ001 bar clamp
ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



T17



Legend