

Bar Light Diffuse

infrared, 625 mm

LBDI601

Part Number



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

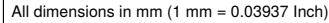
wenglor's LBD series bar lights are highly diffuse luminaires that are perfect for diffuse illumination at low angles of incidence, direct illumination at low working distances, and backlight illumination of specific features in the visual field. The LBD bar lights can be used in continuous mode or synchronized 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
Electrical Data	
Supply Voltage	21,6...26,4 V DC
Power	48 W
Current Consumption Continuous Mode (U _b = 24 V)	2 A
Rise time	15 µs
Fall time	10 µs
Input signal	PNP/NPN
Temperature Range	-10...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)	625 mm
Luminous Field Width (W)	31,5 mm
Luminous Field	625 × 31,5 mm
Housing Material	Aluminum, anodised
Degree of Protection	IP65
Optic Cover	Plastic, PMMA
Connection	M12 × 1; 5-pin
Max. cable length	34 m
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007
Control Panel No.	T17
Suitable Mounting Technology No.	925

Complementary Products

ZBAZ001 Bar clamp
ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



Legend

T17



9b = Strobe Mode Indicator