

Bar Light Diffuse

white light, 625 mm

LBDW601

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	White Light
Color temperature	6500 K
Beam angle	± 65 °
White light output	78000 Lux

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
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Connection Diagram No.

007

Control Panel No.

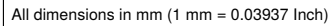
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Suitable Mounting Technology No.

925

Complementary Products

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



Legend

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9b = Strobe Mode Indicator