

Flat Light

Red light, 500 × 500 mm

LBBR501

Part Number



- Easy and flexible installation
- High homogeneity
- High performance: high intensity even in continuous mode
- No external control required

wenglor LBB backlights are ideally suited for Vision applications (e.g. silhouette lighting) in areas from 200 × 200 mm. They can be used in continuous mode or synchronized with the Machine Vision Camera in strobe mode via PNP or NPN inputs. Thanks to their diffused light, the backlights are ideal for applications with transmitted light or incident light. The illumination is extremely homogeneous with very small edges (4°mm), so the usable surface is very large and integration is very easy – thanks, among other things, to the T-slot mounting and anchor point on the entire housing of the illumination.

Technical Data

Optical Data	
Light Source	Red Light
Wavelength	630 nm
Red light output	144 W/m ²
Environmental conditions	
Temperature Range	-10...40 °C
Storage temperature	-20...60 °C
Electrical Data	
Supply Voltage	21,6...26,4 V DC
Power	141 W
Current Consumption Continuous Mode (U _b = 24 V)	5,88 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)	500 mm
Luminous Field Width (W)	500 mm
Luminous Field	500 × 500 mm
Housing Material	Aluminum, anodised
Housing Material	Plastic, ABS/GF
Degree of Protection	IP50
UL Enclosure Type	1
Optic Cover	Plastic, PMMA
Connection	M12 × 1; 5-pin
Max. cable length	10 m
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007
Control Panel No.	T16
Suitable Mounting Technology No.	926

Complementary Products

ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable

