



LITE LBAR+

POWERFUL AND UNIFORM LED BAR

IP65
PROTECTION

▷ LED LIGHTING SYSTEM

▷ VISION APPLICATIONS

▷ QUALITY CONTROL WITH CAMERA

▷ HIGH POWERFUL LED

▷ AFFORDABLE LIGHTING

AFFORDABLE & POWERFUL LIGHTING.

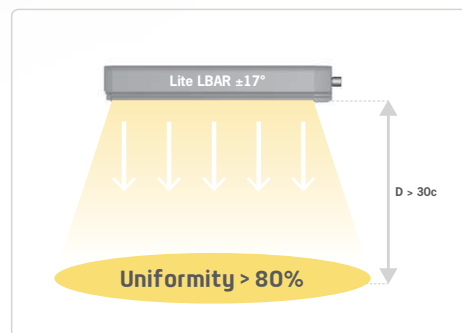


SOLID BODY

BLACK ANODIZED
ALUMINUM

M12 CONNECTOR

- ✓ high power at affordable price,
- ✓ easy to mount & to use,
- ✓ from 25 cm to 1 m 75.



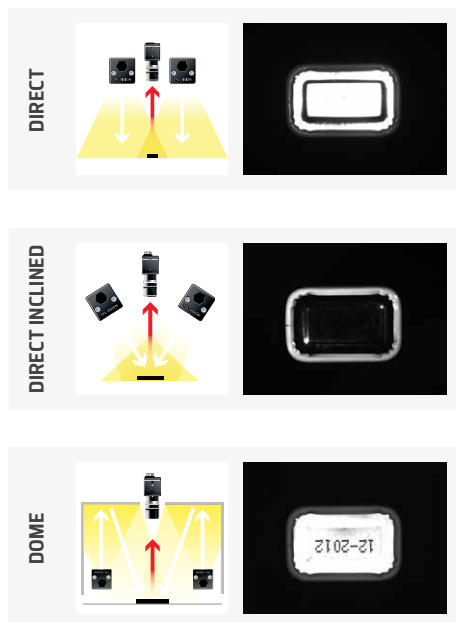
UNIFORM LIGHTING SOLUTION
despite the distance between each LED

The Lite LBAR+ is a direct lighting bar, with a reduced number of LED. However, there is no lack of power and it can easily illuminate wide spaces.

The Lite LBAR+ can be set up downwards, in the same axis as the camera's, or with an angle of incidence, and offers a powerful light in continuous or in strobe mode. The rising and falling times are particularly short: 15 µs and 10 µs.

Thanks to the groove located at the back of the aluminum structure, you can easily integrate the light in any vision system. 2 LED indicators near the connector show if the product is powered. Moreover, the Lite LBAR+ is IP65.

Compliant with industrial standards, the competitive price of the Lite LBAR+ is obviously a real asset: its quality, the same as any other TPL Vision's product, and its satisfactory lighting power, make it an affordable long-lasting light.



RELATED PRODUCTS

Ask for your add-ons, customized for the Lite LBAR+ :

- wiring
- diffusers
- fixing hardware
- safety glasses

TECHNICAL SPECIFICATIONS

LBAR+	Max standard length 1750mm						
	250	500	750	1000	1250	1500	1750
Electronics							
Power supply	24 VDC ±10%						
Functioning mode	CW + STR						
Overdrive	No						
Strobe conditions (On time, duty cycle)	No restriction						
Strobe input	24VDC - PNP & NPN						
Dimming	0-10V = 100%-20%						
Maximum rising time	15µs						
Maximum falling time	10µs						
Wiring	1x male M12 - 5 poles						
Max current (A) through power supply	0,6	1,2	1,8	2,4	3	3,6	4,2
Max. Consumption (W)	14,4	28,8	43,2	57,6	72	86,4	100,8
Max voltage drop in the bar (V)	0,02	0,08	0,18	0,31	0,49	0,70	0,96
Power supply cable : max length 5x0,34 ² for acceptable voltage drop (m)	>150	>150	>150	116	89	69	55
Optics							
Colour	White, Red, Green, Blue, Infrared						
Number of Leds	5	10	15	20	25	30	35
Lenses	± 7°, ± 10°, ± 17°, NL						
Mechanics							
Total length (mm)	283	533	783	1033	1283	1533	1783
Width x Height (mm)	47,6 x 45						
Useful length (mm)	251	501	751	1001	1251	1501	1751
Useful width (mm)	31,5						
Weight (g) ±10%	476	919	1361	1804	2246	2689	3131
Body materials	Aluminum						
Finish	Anodization						
Connector materials	Loaded ABS						
Diffuser option	Abrasion-resistant Polycarbonate						
Fixing	2 M4 nuts to insert in the groove located on the back of the light or directly use M4 screws						
Included add-ons	Lg 600mm : 2 nuts / 600<Lg<1250 : 3 nuts 1250<Lg<1750 : 4 nuts						
Environment							
Operating temperature	-10° to +40°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)						
Storage temperature	-20° to +60°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)						
IP protection	IP 65*						
Labels	RoHS-CE-WEEE						

PNP : From 5 to 24V for 100% ON. From 0 to 1V for 100% OFF.
NPN : less than 1V for 100% ON. Above 2V for 100% OFF. Max 20V.

* Liable to the use of a TPL Vision IP65 cable

TPL VISION UK

Brenchley House - School Road - Charing - Kent TN27 0JW - UK
Tel. +44 (0)1738 310 392 - contact@tpl-vision.co.uk

www.tpl-vision.com



Other available documents :

- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

Lite LBAR+



HOW TO BUILD YOUR REFERENCE

REQUIRED SETTINGS

LBAR	USEFUL DIMENSION	COLOUR	LENS/ OPTIC ANGLE
	250 (= 5 LED)	WHI	7 ± 7°
	500 (= 10 LED)	630	10 ± 10°
	750 (= 15 LED)	525	17 ± 17°
	1000 (= 20 LED)	470	NL NO LENS
	1250 (= 25 LED)	850	
	1500 (= 30 LED)		
	1750 (= 35 LED)		

EXAMPLES :





LBAR+ 250mm white LED ± 10° IP65 : ➔ **LBAR-250-WHI-10**

LBAR+ 500 mm red LED ± 17° IP65 : ➔ **LBAR-500-630-17**

LBAR+ 1000 mm blue LED ± 17° IP65 : ➔ **LBAR-1000-470-17**

DIFFUSERS

By default, the **LBAR+** is delivered with a transparente diffuser. To order more diffusers (or polarizers), please use the following reference builder :

DT : TRANSPARENT	DO : OPAQUE	DS : SATIN	POL : POLARIZER
			

DIFFUSER	BAR	DIMENSION
DT TRANSPARENT		250
DO OPAQUE		500
DS SATIN		750
POL POLARIZER*		1000
		1250
		1500
		1750

EXAMPLES :


Transparent diffuser for bar 250 mm : ➔ **DT-BAR-250**

Satin diffuser for bar 1000 mm : ➔ **DS-BAR-1000**

* EXCEPT FOR IR 850

RELATED PRODUCTS

M12 female 5 pins cable



2 meters	Ref: C-M12-5P-2M
5 meters	Ref: C-M12-5P-5M
10 meters	Ref: C-M12-5P-10M

Safety glasses



Ref: EYE-PROTECT

ACCESSORIES

Mounting accessory for camera



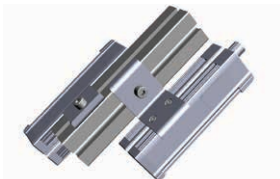
Ref: TPL-MOUNT-BAR-H1

Mounting accessory for camera



Ref: TPL-MOUNT-BAR-V1

Mounting accessory



Ref: TPL-MOUNT-BAR-SQUARE1

Mounting accessory



Ref: BMOUNT

Mounting accessory



Ref: SWIVEL-MOUNT

Safety glasses



Ref: EYE-PROTECT

Features and presentations liable to modifications without prior notice. Ref.TS-010601-H3, 2020/02 Edition

TPL VISION UK

Brenchley House - School Road - Charing - Kent TN27 0JW - UK
Tel. +44 (0)1738 310 392 - contact@tpl-vision.co.uk

www.tpl-vision.com



Other available documents :

- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

Lite LBAR+

RoHS
COMPLIANT **CE**