

# LED Bar Flash Light LB500FL - Technical data



- LED Bar Light for flash operation
- 40 high performance Power LEDs
- applicable as incident illumination, suited for matrix and line camera applications
- different lenses available as accessories
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- adjustable flash times up to 220 µs
- different trigger modes
- robust industrial model, Aluminium casing, IP67
- 150 mm cable with an M16 12-pin plug
- drag chain connection cable with an M16 12-pin socket in different lengths available as accessory ↻ [please note page 211 of the main product catalogue](#)

With the following table you can assemble your desired type of lighting:\*

\* A detailed product key explanation can be found on ↻ [Page 4](#) of the main product catalogue.

### Available illumination variants

Model	Radiation angles (°) Ancillary lenses	Illumination colour	Flash time
LB500FL	16°	R	100 220
	23°	W	
	44°	B	
	48x19°	G	
		IR850	

<b>Operation mode</b>	Flash	
<b>Operation voltage</b>	19...30 V DC	wide range voltage input
<b>Max. current</b>	1,8 A / UV: 1 A	at 24 V
<b>Trigger modes</b>	TTL / SPS	TTL: rising slope at trigger input, min. 2,8 V DC, max. 30 V DC SPS: rising slope at trigger input, min. 15 V DC, max. 30 V DC
<b>Flash times</b>	10 - 100 µs / 20 - 220 µs	adjustable with potentiometer, max. flash frequency 100 Hz or 35 Hz
<b>Brightness regulation</b>	Potentiometer / VC	Potentiometer: 0...100 % or VC: 0...100 % when connected to a voltage of 2...10 V DC on the VC analogue input VC Input > 1 VDC then the potentiometer will be deactivated. We recommend: turn the potentiometer anti-clockwise during VC-operation.
<b>Ambient temperature</b>	5 - 45 °C / 37 - 113 °F	
<b>Weight</b>	1,5 kg	
<b>Protection class</b>	IP67	
<b>Connection</b>	M16 12-pin plug	150 mm drag chain cable with an M16 12-pin plug, IP67

### Pin arrangement M16 plug

A+K	white	GND	GND Operation voltage	
B+L	brown	U <sub>b</sub>	Operation voltage	
C	green	NC	NC	
D	yellow	VC	Brightness regulation 2...10 V DC	
E	grey	+ Trigger TTL	TTL >3 V, rising slope	
F	pink	+Trigger SPS	SPS >15 V rising slope	
G	blue	GND Trigger	GND trigger circuit	
H	Shield	Shield	Shield connection	
J	nc	NC	NC	
M	nc	NC	NC	

**LIFETIME**  
50.000h+

x=0,31  
y=0,31

470nm

528nm

625nm

850nm



**CONTROLLER**  
INSIDE



Price list: [page 377 of the main product catalogue](#)

# LED Bar Flash Light LB500FL - Technical drawing

