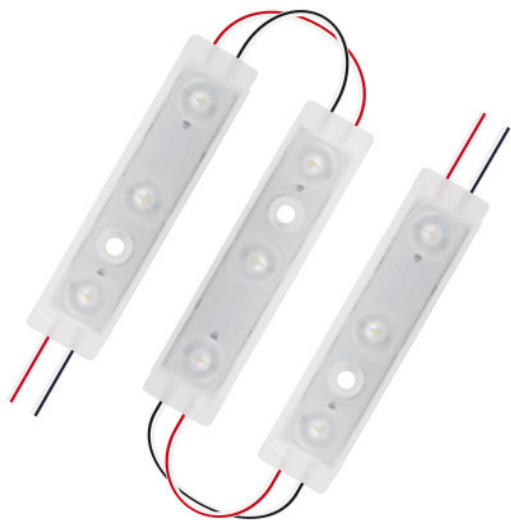


BA-L-PL 830 G3

BackLED L Plus G3 | LED modules for light advertising and backlighting



Areas of application

- Signage and illuminated advertising
- Backlighting of single and double-sided light boxes
- Permanent outdoor use in enclosed light boxes
- Architectural and decorative applications

Product family benefits

- Uniform illumination at high LED pitches thanks to Square Lens technology
- Click and Play: quick and easy click-in of the LED modules, no tools needed
- High module efficacy: up to 116 lm/W
- Dimming capability: 1...10 V, DALI and DMX methods
- Lifetime (L70/B50): 50,000 h (temperature at $T_c = 75^\circ\text{C}$)
- 5 year guarantee

Product family features

- Connected with flexible cables
- Type of protection (modules): IP66/IP68
- Color rendering index R_a : > 80
- Single bin LEDs for all CCTs
- Consistent white light: < 3 SDCM
- CE marked, ENEC certified, UL recognized component



Technical data

Electrical data

Nominal voltage	12.0 V
Nominal wattage per chain	46.00 W
Nominal wattage per LED module	1.31 W
Accidental reverse input voltage protection up to	13 V
Input voltage range	12...13 V
Type of current	DC

Photometrical data

Color temperature	3000 K
Color rendering index Ra	>80
Light color (designation)	Warm White
Light color LED	Warm white
Luminous flux per module chain	5400 lm
Luminous flux per LED module	150 lm
Luminous efficacy	115 lm/W
Standard deviation of color matching	≤3 sdcn

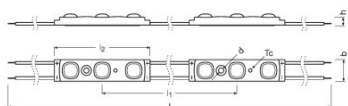
Light technical data

Beam angle	155 °
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LED module information

Number of LEDs per module	3
Number of LED modules per chain	36
Minimum operable number of LED modules	1

Dimensions & weight



Product datasheet

Length	76.0 mm
Width	17.6 mm
Height	7.8 mm
Product weight	604.00 g ¹⁾

¹⁾ Per chain

Temperatures & operating conditions

Temperature range in operation at T_c point	-25...75 °C ¹⁾
Temperature range at storage	-25...85 °C

¹⁾ At the T_c point

Lifespan

Lifespan	50000 h
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Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see www.osram.com/led-systems)/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values/In development, data preliminary
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Capabilities

Dimmable	Yes
Dimming range	1...100 %

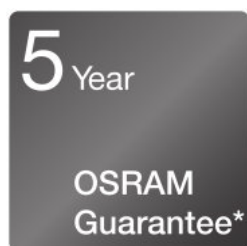
Certificates & standards

Energy consumption	2 kWh/1000h
Energy efficiency class	A+
Type of protection	IP66/IP68
Standards	Acc. to ENEC 10/CE; VDE/EAC/ENEC/UL
Approval marks – approval	UL recognized component / CE / ENEC

Logistical data

Commodity code	940540399000
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Product datasheet






Guarantee

Equipment / Accessories

- Mounting profile BA-MP
- Several types of OPTOTRONIC 12 V LED drivers available

Download Data

File	
	User instruction BackLED L M S Plus
	Declarations of conformity EU Declaration of Conformity 3661657
	Eulumdat Eulumdat file BA-L-PL G3

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
405289990463	BA-L-PL 830 G3	Shipping carton box 5	438 mm x 284 mm x 198 mm	24.63 dm ³	5185.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

- ▶ www.osram.com/system-guarantee

Product datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.