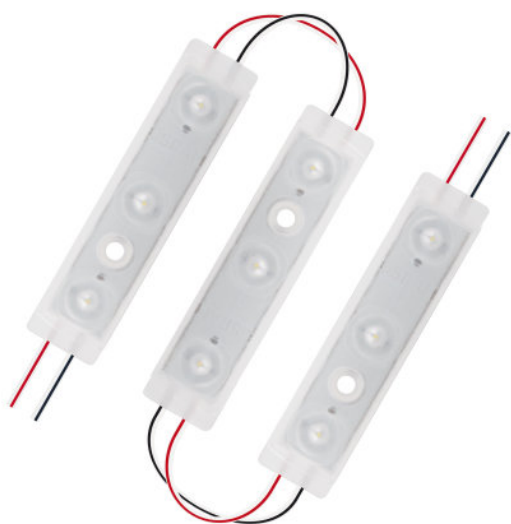**OSRAM**

BA-L-PL 830 G3

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

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

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 (L80/B10): 50,000 h (temperature at T_c = 75 °C)
- 5 year guarantee

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

Technical data

Electrical data

Nominal voltage	120 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 sdcm

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
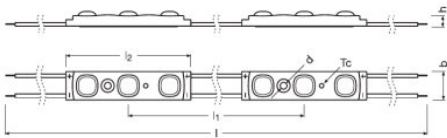
Length	111000 mm
Width	176 mm
Height	78 mm

Product datasheet

Product weight	60400 g [1]
Module length	76.0 mm
Module pitch	300 mm

[1] Per chain

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...75 °C [1]
Temperature range at storage	-25...85 °C

[1] At the T_c point

Lifespan

Lifespan	50000 h

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
Successor EAN	4052899627444
Predecessor EAN	4052899442634

Capabilities

Dimming range	1...100 %

Certificates & standards

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

Logistical data

Commodity code	85395100000

Environmental information

Product datasheet

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Date of Declaration	23-05-2022
Primary Article Identifier	4052899990463
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

484525_5 Year Osram Guarante
(GB)

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
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Declarations of conformity BACKLED L PLUS CE 3661657 02 240723
	Eulumdat Eulumdat file BA-L-PL G3

Product datasheet

Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer.Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899990463	BA-L-PL 830 G3	Shipping carton box 5	438 mm x 284 mm x 198 mm	24.63 dm³	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 https://
▶ www.inventronics-light.com/multilevel-guarantees

Disclaimer

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