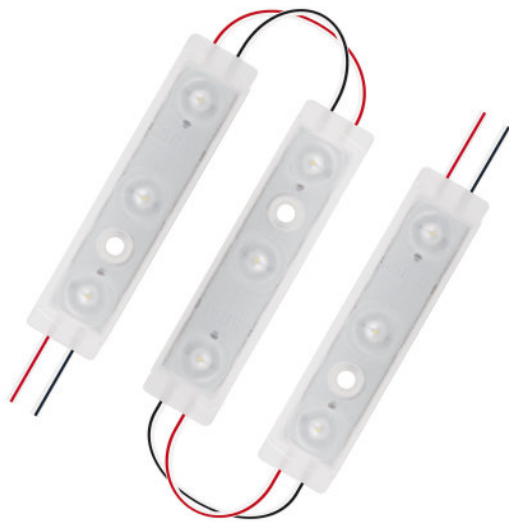# OSRAM

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

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BA-L-PL 830 G3 [1]	120 V	46.00 W	1.31 W	13 V	12...13 V	DC

[1] See product remark

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy
BA-L-PL 830 G3 [1]	3000 K	>80	Warm White	Warm white	5400 lm	150 lm	115 lm/W

Product description	Standard deviation of color matching
BA-L-PL 830 G3 [1]	≤3 sdcm

[1] See product remark

LED module information

Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-L-PL 830 G3 [1]	3	36	1

[1] See product remark

Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-L-PL 830 G3 [1]	111000 mm	176 mm	78 mm	60400 g [2]

[1] See product remark

[2] Per chain

Product line drawing
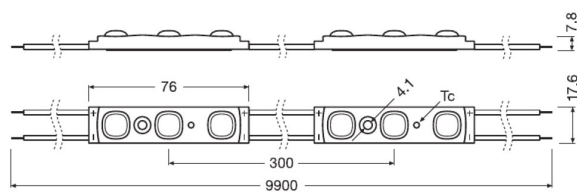
BA-L-PL 830 G3

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Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage	
BA-L-PL 830 G3 [1]	-25...75 °C [2]	-25...85 °C	

[1] See product remark

[2] At the T_c point

Lifespan

Product description	Lifespan
BA-L-PL 830 G3 [1]	50000 h

[1] See product remark

Additional product data

Product description	Predecessor EAN	Successor EAN
BA-L-PL 830 G3 [1]	4052899442634	4052899627444

[1] See product remark

Product family datasheet

Capabilities

Product description	Dimming range
BA-L-PL 830 G3 [1]	1...100 %

[1] See product remark

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-L-PL 830 G3 [1]	2 kWh/1000h	IP66/IP68	Acc. to ENEC 10/CE; VDE/EAC/ENEC/UL

[1] See product remark

Logistical data

Product description	Commodity code
BA-L-PL 830 G3 [1]	85395100000

[1] See product remark

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

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
BA-L-PL 830 G3 [1]	23-05-2022	4052899990463	No declarable substances contained

Product description	Declaration No. in SCIP database		
BA-L-PL 830 G3 [1]	No declarable substances contained		

[1] See product remark

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

Product family datasheet

Equipment / Accessories

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

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

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

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.

Product family datasheet

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.

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