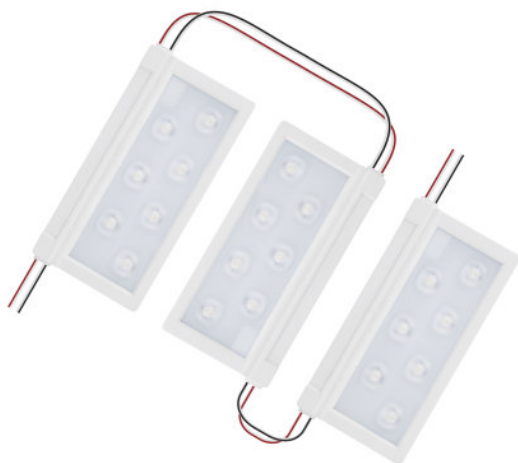


BA-DS-PL 865 G3

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



Product family features

- Connected with flexible cables
- Type of protection (modules): IP66
- 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
- Modules compatible with the BackLED DS mounting profile
- Click and Play: quick and easy click-in of the LED modules, no tools needed
- High module efficacy: up to 135 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

Areas of application

- Signage and illuminated advertising
- Backlighting of double-sided light boxes and pylons
- Permanent outdoor use in enclosed light boxes



Product datasheet

Technical data

Electrical data

Nominal voltage	24.0 V
Nominal wattage per chain	70.00 W
Nominal wattage per LED module	4.4 W
Accidental reverse input voltage protection up to	25 V
Input voltage range	23...25 V
Type of current	DC

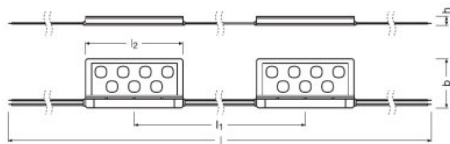
Photometrical data

Color temperature	6500 K
Color rendering index Ra	>80
Light color (designation)	Daylight
Light color LED	Cool white
Luminous flux per module chain	9600 lm
Luminous flux per LED module	600 lm
Luminous efficacy	135 lm/W
Standard deviation of color matching	≤3 sdcn

LED module information

Number of LEDs per module	14
Number of LED modules per chain	16
Minimum operable number of LED modules	1

Dimensions & weight



Length	7900 mm
Width	53.0 mm
Height	7.0 mm

Product datasheet

Product weight	1304.00 g ¹⁾
Module length	45.5 mm
Module pitch	135 mm

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
Predecessor EAN	4052899245891

Capabilities

Dimming range	1...100 %
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Certificates & standards

Energy consumption	5 kWh/1000h
Type of protection	IP66
Standards	Acc. to ENEC 10/CE/EAC/ENEC/UL/VDE
Approval marks – approval	CE / ENEC / UL recognized component
Energy efficiency class of the contained light source	E

Logistical data

Commodity code	8539510000
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Environmental information

Product datasheet

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	07-11-2022
Primary Article Identifier	4052899990548
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

- - Several types of OPTOTRONIC 24 V LED drivers available
 - BackLED DS Plus mounting profile BX-DS-MP
 - BackLED DS Plus mounting brackets BX-DS-MB

Download Data

File	
	User instruction BackLED DS Plus G3
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Declarations of conformity BACKLED DS PLUS CE 3596745 03 240723

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
4052899990548	BA-DS-PL 865 G3	Shipping carton box 0	440 mm x 310 mm x 207 mm	28.24 dm ³	8407.00 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.