

BA-XS-CP-865 G4

BackLED XS Plus G4 | LED modules for light advertising and backlighting



Product family benefits

- Optimal beam pattern to ensure light uniformity and brightness in slim channel letter design
- Consistent white light (Standard Deviation of Color Matching SDCM: < 3)
- Color rendering index R_a : 80
- Completely molded housing protects PCB and LEDs
- Easier pre-mounting with double-sided tape with extra long foil

Areas of application

- Backlighting of ultra slim channel letters



Technical data

Electrical data

Nominal voltage	12.0 V
Nominal wattage per chain	30.00 W
Nominal wattage per LED module	0.3 W
Accidental reverse input voltage protection up to	13 V
Input voltage range	12...13 V
Type of current	DC

Photometrical data

Color temperature	6500 K
Color rendering index Ra	≥80
Light color (designation)	Cool White
Light color LED	Cool white
Luminous flux per module chain	2850 lm
Luminous flux per LED module	28.5 lm
Luminous efficacy	95 lm/W
Standard deviation of color matching	≤3 sdcn
Luminous flux per LED module at Ta 25 °C	28.5 lm
Luminous flux per LED module at Tc 25 °C	30 lm
Luminous flux per chain at Ta 25 °C	2850 lm
Luminous flux per chain at Tc 25 °C	3000 lm

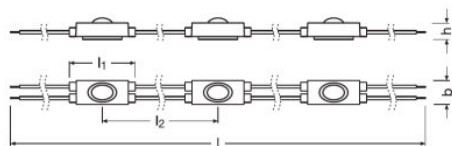
Light technical data

Beam angle	160 ° x 120 °
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LED module information

Number of LEDs per module	1
Number of LED modules per chain	100
Minimum operable number of LED modules	1

Dimensions & weight



Length	5000 mm
Width	11.0 mm
Height	7.2 mm
Product weight	265.00 g
Module length	25 mm
Module pitch	50 mm

Temperatures & operating conditions

Temperature range in operation at T_c point	-30...60 °C ¹⁾
Temperature range at storage	-30...85 °C

¹⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip. / At the T_c point

Lifespan

Lifespan	50000 h ¹⁾
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¹⁾ L70/B50

Additional product data

Successor EAN	4062172145862
ID of contained light source	LS_SHZ_600758

Capabilities

Dimming range	1...100 %
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Certificates & standards

Energy consumption	30 kWh/1000h
Type of protection	IP66



Product datasheet

Standards	Acc. to IEC 62471/Acc. to IEC 62778/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
Approval marks – approval	CE / BIS
Energy efficiency class of the contained light source	G

Logistical data

Commodity code	940540399000
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Download Data

File
 Declarations of conformity BackLED CE 3250405 09 211119
 IES data BA-XS-CP-865-G4

Ecodesign regulation information:

ul>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
4052899593176	BA-XS-CP-865 G4	Shipping carton box 50	515 mm x 315 mm x 265 mm	42.99 dm ³	14075.00 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.

Product datasheet

Disclaimer

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