OSRAM

BA-MINI-S-CP-840 G4

BackLED Mini S CP G4 | LED modules for light advertising and backlighting

Product family features

– Color consistency in 3 SDCM
– Oval Optics technology
– Wide CCT options available
– IP66 Rated

Product family benefits

– High module flux output up to 39 lm
– Energy saving with high efficacy
– Ultra slim size for Max design freedom
– Good solution to reduce system cost

Areas of application

– Channel letters

Technical data

Electrical data

Nominal voltage	12.0 V
Nominal wattage per chain	36.00 W
Nominal wattage per LED module	0.36 W
Accidental reverse input voltage protection up to	13 V
Input voltage range	12...13 V
Type of current	DC

Photometrical data

Color temperature	4000 K
Color rendering index Ra	80
Light color (designation)	Neutral White
Light color LED	Neutral white
Luminous flux per module chain	3900 lm
Luminous flux per LED module	39 lm
Luminous efficacy	108.3 lm/W
Standard deviation of color matching	≤3 sdcm
Luminous flux per LED module at Ta 25 °C	39 lm
Luminous flux per chain at Ta 25 °C	3900 lm

Light technical data

Beam angle	160 ° x 120 °

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
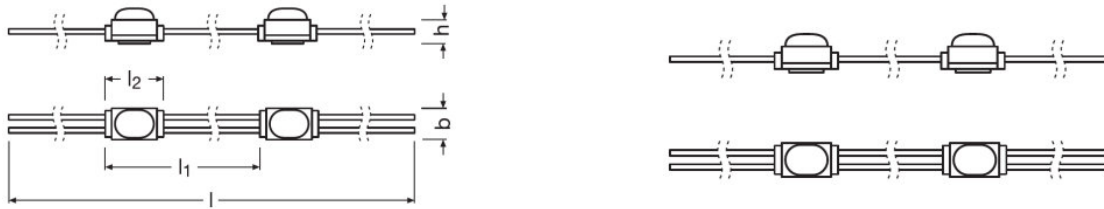
Length	4000 mm
Width	8.4 mm
Height	6.2 mm
Product weight	117.00 g
Module length	14.9 mm
Module pitch	40 mm

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...80 °C
Temperature range at storage	-25...85 °C

Lifespan

Lifespan	50000 h [1]

[1] L70/B50 at Tc 80 °C

Additional product data

ID of contained light source [GMS]	LS_SHZ_600375

Capabilities

Dimming range	1...100 %

Certificates & standards

Energy consumption	36 kWh/1000h
Type of protection	IP66
Standards	Acc. to EN 55015/Acc. to EN 60529/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 62471
Approval marks – approval	BIS / CE

Product datasheet

Energy efficiency class of the contained light source	F

Logistical data

Commodity code	853951000000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	29-04-2022
Primary Article Identifier	4062172145848
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

---

Download Data

	File
📄	User instruction BackLED Mini S CP G4
📄	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
📄	Declarations of conformity CE BA-MINI-S&M-CP-8xx-G4 BA-L-CX-8xx-G4

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 datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172145848	BA-MINI-S-CP-840 G4	Shipping carton box 40	350 mm x 250 mm x 230 mm	20.13 dm³	5580.00 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.

Disclaimer

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

—