

BackLED M-HO CP G4

LED modules for light advertising and backlighting



Product family features

- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT options available
- IP66 Rated

Product family benefits

- Upgraded flux output up to 131 lm
- Uniform light pattern design for 100-150 mm light-box depth
- Over-molding technology for optimal protection



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-M-HO-CP-830 G4	12.0 V	48.00 W	1.2 W	13 V	12...13 V	DC
BA-M-HO-CP-840 G4	12.0 V	48.00 W	1.2 W	13 V	12...13 V	DC
BA-M-HO-CP-865 G4	12.0 V	48.00 W	1.2 W	13 V	12...13 V	DC
BA-M-HO-CP-880 G4	12.0 V	48.00 W	1.2 W	13 V	12...13 V	DC

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-M-HO-CP-830 G4	3000 K	80	Warm White	Warm white	4800 lm	122 lm	102 lm/W
BA-M-HO-CP-840 G4	4000 K	80	Neutral White	Neutral white	5120 lm	131 lm	109 lm/W
BA-M-HO-CP-865 G4	6500 K	80	Cold White	Cool white	5120 lm	131 lm	109 lm/W
BA-M-HO-CP-880 G4	8000 K	80	Cold White	Cool white	4800 lm	122 lm	102 lm/W

Light technical data

Product description	Beam angle
BA-M-HO-CP-830 G4	155 °
BA-M-HO-CP-840 G4	155 °
BA-M-HO-CP-865 G4	155 °
BA-M-HO-CP-880 G4	155 °

LED module information

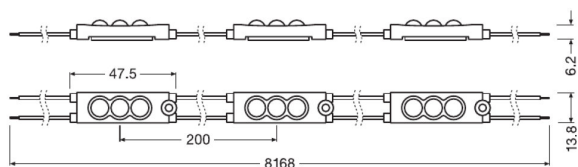
Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-M-HO-CP-830 G4	3	40	1
BA-M-HO-CP-840 G4	3	40	1
BA-M-HO-CP-865 G4	3	40	1
BA-M-HO-CP-880 G4	3	40	1

Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-M-HO-CP-830 G4	8168 mm	13.8 mm	6.8 mm	210.00 g
BA-M-HO-CP-840 G4	8168 mm	13.8 mm	6.8 mm	210.00 g
BA-M-HO-CP-865 G4	8168 mm	13.8 mm	6.8 mm	210.00 g
BA-M-HO-CP-880 G4	8168 mm	13.8 mm	6.8 mm	210.00 g

Product line drawing



BA-M-HO-CP-830 G4, BA-M-HO-CP-840 G4, BA-M-HO-CP-865 G4, BA-M-HO-CP-880 G4

Temperatures & operating conditions

Product description	Temperature range in operation at T _c point	Temperature range at storage
BA-M-HO-CP-830 G4	-30...70 °C ¹⁾	-30...85 °C
BA-M-HO-CP-840 G4	-30...70 °C ¹⁾	-30...85 °C
BA-M-HO-CP-865 G4	-30...70 °C ¹⁾	-30...85 °C
BA-M-HO-CP-880 G4	-30...70 °C ¹⁾	-30...85 °C

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

Product family datasheet

Lifespan

Product description	Lifespan
BA-M-HO-CP-830 G4	50000 h 1)
BA-M-HO-CP-840 G4	50000 h 1)
BA-M-HO-CP-865 G4	50000 h 1)
BA-M-HO-CP-880 G4	50000 h 1)

1) L70/B50 at 70 °C

Additional product data

Product description	ID of contained light source [GMS]	Predecessor EAN
BA-M-HO-CP-830 G4	LS_SHZ_600368	4052899504707
BA-M-HO-CP-840 G4	LS_SHZ_600369	4052899504721
BA-M-HO-CP-865 G4	LS_SHZ_600370	4052899504745
BA-M-HO-CP-880 G4	LS_SHZ_600371	

Capabilities

Product description	Dimming range
BA-M-HO-CP-830 G4	1...100 %
BA-M-HO-CP-840 G4	1...100 %
BA-M-HO-CP-865 G4	1...100 %
BA-M-HO-CP-880 G4	1...100 %

Product family datasheet

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-M-HO-CP-830 G4	48 kWh/1000h	IP66	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 61347-1/Acc. to IEC 62471/Acc. to IEC 62778
BA-M-HO-CP-840 G4	48 kWh/1000h	IP66	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 62778/Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to IEC 60598-1
BA-M-HO-CP-865 G4	48 kWh/1000h	IP66	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 61347-1/Acc. to IEC 62471/Acc. to IEC 62778
BA-M-HO-CP-880 G4	48 kWh/1000h	IP66	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 61347-1/Acc. to IEC 62778/Acc. to IEC 62471

Logistical data

Product description	Commodity code
BA-M-HO-CP-830 G4	853951000000
BA-M-HO-CP-840 G4	853951000000
BA-M-HO-CP-865 G4	853951000000
BA-M-HO-CP-880 G4	853951000000

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-M-HO-CP-830 G4	23-05-2022	4062172183451	Lead
BA-M-HO-CP-840 G4	23-05-2022	4062172183475	Lead
BA-M-HO-CP-865 G4	23-05-2022	4062172183499	No declarable substances contained
BA-M-HO-CP-880 G4	23-05-2022	4062172183512	No declarable substances contained

Product family datasheet

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
BA-M-HO-CP-830 G4	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3362339a-4a1a-480c-a5ef-1f12a85a7d7b
BA-M-HO-CP-840 G4	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e906d19b-a867-4e64-8c10-501e1cf29eb5
BA-M-HO-CP-865 G4			No declarable substances contained
BA-M-HO-CP-880 G4			No declarable substances contained



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 SM CP G4 UI OSRAM
 Brochures Technical application guide BackLED and BoxLED portfolio (EN)

Product family 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
4062172183451	BA-M-HO-CP-830 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	11782.00 g
4062172183475	BA-M-HO-CP-840 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	11782.00 g
4062172183499	BA-M-HO-CP-865 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	11782.00 g
4062172183512	BA-M-HO-CP-880 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	11782.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
BA-M-HO-CP-830 G4	BA -MP-M-CP-2	▶ 4062172168410
BA-M-HO-CP-840 G4	BA -MP-M-CP-2	▶ 4062172168410
BA-M-HO-CP-865 G4	BA -MP-M-CP-2	▶ 4062172168410
BA-M-HO-CP-880 G4	BA -MP-M-CP-2	▶ 4062172168410

Product family datasheet

Disclaimer

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