

BackLED M Plus G4

LED modules for light advertising and backlighting



Product family benefits

- Good uniformity and less module density thanks to unique Square Optical Lens 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 medium size channel letters
- Backlighting of medium light boxes



Product family datasheet

Technical data

Product description	Electrical data						Photometrical data
	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current	Color temperature
BA-M-CP-880 G4	12.0 V	28.80 W	0.72 W	13 V	12...13 V	DC	8000 K
BA-M-CP-865 G4	12.0 V	28.80 W	0.72 W	13 V	12...13 V	DC	6500 K
BA-M-CP-840 G4	12.0 V	28.80 W	0.72 W	13 V	12...13 V	DC	4000 K
BA-M-CP-830 G4	12.0 V	28.80 W	0.72 W	13 V	12...13 V	DC	3000 K
BA-M-CP-RED G4	12.0 V	24.00 W	0.6 W	13 V	12...13 V	DC	
BA-M-CP-BLUE G4	12.0 V	24.00 W	0.6 W	13 V	12...13 V	DC	

Product description	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy	Standard deviation of color matching
BA-M-CP-880 G4	≥80	White	White	3160 lm	79 lm	109.7 lm/W	≤5 sdc
BA-M-CP-865 G4	≥80	White	White	3280 lm	82 lm	113.9 lm/W	≤3 sdc
BA-M-CP-840 G4	≥80	White	White	3280 lm	82 lm	113.9 lm/W	≤3 sdc
BA-M-CP-830 G4	≥80	White	White	3120 lm	78 lm	108.3 lm/W	≤3 sdc
BA-M-CP-RED G4		Red	Red	860 lm	21.5 lm	35.8 lm/W	≤2 sdc
BA-M-CP-BLUE G4		Blue	Blue	360 lm	9 lm	15 lm/W	≤2 sdc

Product description	LED module information			Dimensions & weight	
	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules	Length	Width
BA-M-CP-880 G4	3	40	1	8168 mm	13.8 mm
BA-M-CP-865 G4	3	40	1	8168 mm	13.8 mm
BA-M-CP-840 G4	3	40	1	8168 mm	13.8 mm
BA-M-CP-830 G4	3	40	1	8168 mm	13.8 mm
BA-M-CP-RED G4	3	40	1	8168 mm	13.8 mm
BA-M-CP-BLUE G4	3	40	1	8168 mm	13.8 mm

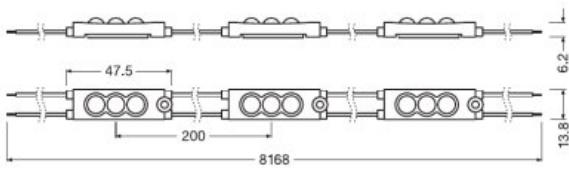
Product description	Height	Product weight	Temperatures & operating conditions	Additional product data	
			Temperature range at storage	Predecessor EAN	ID of contained light source
BA-M-CP-880 G4	6.80 mm	270.00 g	-30...85 °C	4052899592971	
BA-M-CP-865 G4	6.80 mm	270.00 g	-30...85 °C	4052899592995	LS_SHZ_600061
BA-M-CP-840 G4	6.80 mm	270.00 g	-30...85 °C	4052899593022	LS_SHZ_600426

Product family datasheet

Product description	Height	Product weight	Temperatures & operating conditions	Additional product data	
			Temperature range at storage	Predecessor EAN	ID of contained light source
BA-M-CP-830 G4	6.80 mm	270.00 g	-30...85 °C	4052899593053	
BA-M-CP-RED G4	6.80 mm	270.00 g	-30...85 °C	4052899593084	
BA-M-CP-BLUE G4	6.80 mm	270.00 g	-30...85 °C	4052899593114	

Product description	Capabilities		Certificates & standards	Logistical data
	Dimmable	Dimming range	Energy consumption	Commodity code
BA-M-CP-880 G4	Yes	1...100 %	29 kWh/1000h	940540399000
BA-M-CP-865 G4	Yes	1...100 %	29 kWh/1000h	940540399000
BA-M-CP-840 G4	Yes	1...100 %	29 kWh/1000h	940540399000
BA-M-CP-830 G4	Yes	1...100 %	29 kWh/1000h	940540399000
BA-M-CP-RED G4	Yes	1...100 %	24 kWh/1000h	940540399000
BA-M-CP-BLUE G4	Yes	1...100 %	24 kWh/1000h	940540399000

Product family datasheet



BA-M-CP G4



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
	Declarations of conformity CE declaration BA M CP G4

Product family datasheet

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
4062172183277	BA-M-CP-880 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	15281.00 g
4062172183352	BA-M-CP-865 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	15281.00 g
4062172183376	BA-M-CP-840 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	15281.00 g
4062172183390	BA-M-CP-830 G4	Shipping carton box 50	436 mm x 435 mm x 310 mm	58.79 dm ³	15282.00 g
4062172183413	BA-M-CP-RED G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	15282.00 g
4062172183437	BA-M-CP-BLUE G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm ³	15282.00 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.