

BackLED S CP G4

LED modules for light advertising and backlighting



Product family features

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

Product family benefits

- Over-molding technology for optimal protection
- Upgraded flux output up to 39 lm
- Uniform light pattern design for 50-100 mm light-box depth

Areas of application

- Backlighting of small channel letters
- Backlighting of small light boxes



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-S-CP-865- G4	12.0 V	29.00 W	0.32 W	13 V	12...13 V	DC
BA-S-CP-840- G4	12.0 V	29.00 W	0.32 W	13 V	12...13 V	DC
BA-S-CP-830- G4	12.0 V	29.00 W	0.32 W	13 V	12...13 V	DC
BA-S-CP-RED- G4	12.0 V	31.50 W	0.35 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 LED module	Standard deviation of color matching
BA-S-CP-865- G4	6500 K	>80	Cool White	Cool white	39 lm	≤3 sdc
BA-S-CP-840- G4	4000 K	>80	Neutral White	Neutral white	39 lm	≤3 sdc
BA-S-CP-830- G4	3000 K	>80	Warm White	Warm white	37 lm	≤3 sdc
BA-S-CP-RED- G4		>80	Red	Red	13.5 lm	≤3 sdc

Light technical data

Product description	Beam angle
BA-S-CP-865- G4	155 °
BA-S-CP-840- G4	155 °
BA-S-CP-830- G4	155 °
BA-S-CP-RED- G4	155 °

LED module information

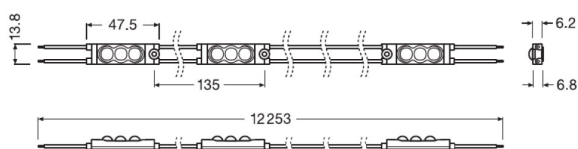
Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-S-CP-865- G4	3	90	1
BA-S-CP-840- G4	3	90	1
BA-S-CP-830- G4	3	90	1
BA-S-CP-RED- G4	3	90	1

Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-S-CP-865- G4	12253 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-840- G4	12253 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-830- G4	12253 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-RED- G4	12253 mm	13.8 mm	6.8 mm	530.00 g

Product line drawing



BA-S-CP-865- G4, BA-S-CP-840- G4, BA-S-CP-830- G4, BA-S-CP-RED- G4

Temperatures & operating conditions

Product description	Temperature range in operation at T _c point	Temperature range at storage
BA-S-CP-865- G4	-20...50 °C ¹⁾	-30...85 °C
BA-S-CP-840- G4	-20...50 °C ¹⁾	-30...85 °C
BA-S-CP-830- G4	-20...50 °C ¹⁾	-30...85 °C
BA-S-CP-RED- G4	-20...50 °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-S-CP-865- G4	50000 h 1)
BA-S-CP-840- G4	50000 h 1)
BA-S-CP-830- G4	50000 h 1)
BA-S-CP-RED- G4	50000 h 1)

1) L70/B50 at Tc 70 °C

Additional product data

Product description	Predecessor EAN	ID of contained light source
BA-S-CP-865- G4	4052899504639	LS_SHZ_600481
BA-S-CP-840- G4	4052899504615	LS_SHZ_600480
BA-S-CP-830- G4	4052899504592	LS_SHZ_600479
BA-S-CP-RED- G4	4052899300637	

Capabilities

Product description	Dimming range
BA-S-CP-865- G4	1...100 %
BA-S-CP-840- G4	1...100 %
BA-S-CP-830- G4	1...100 %
BA-S-CP-RED- G4	1...100 %

Product family datasheet

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-S-CP-865- G4	29 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 62778
BA-S-CP-840- G4	29 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 62778
BA-S-CP-830- G4	29 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 62778
BA-S-CP-RED- G4	32 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 62778

Logistical data

Product description	Commodity code
BA-S-CP-865- G4	940540399000
BA-S-CP-840- G4	940540399000
BA-S-CP-830- G4	940540399000
BA-S-CP-RED- G4	940540399000

Application advice





For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Download Data

File	
	User instruction User Instructions of BlackLED S M CP G4
	User instruction BackLED SM CP G4 UI OSRAM
	Declarations of conformity BA S CP G4 CE 4244835 140920
	IES data BackLED S CP G4 IES files

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
4062172166553	BA-S-CP-865- G4	Shipping carton box 25	435 mm x 435 mm x 310 mm	58.66 dm ³	15032.00 g
4062172166577	BA-S-CP-840- G4	Shipping carton box 25	435 mm x 435 mm x 310 mm	58.66 dm ³	15032.00 g
4062172166591	BA-S-CP-830- G4	Shipping carton box 25	435 mm x 435 mm x 310 mm	58.66 dm ³	15032.00 g
4062172166614	BA-S-CP-RED- G4	Shipping carton box 25	435 mm x 435 mm x 310 mm	58.66 dm ³	15032.00 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 family datasheet

Accessories Optional

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

Disclaimer

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