

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

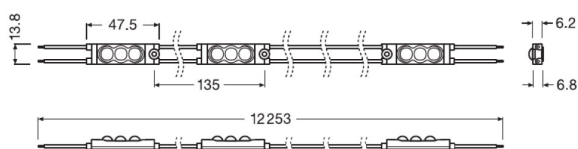
Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-S-CP-865- G4	3	90	1
BA-S-CP-840- G4	3	90	1
BA-S-CP-830- G4	3	90	1
BA-S-CP-RED- G4	3	90	1

Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-S-CP-865- G4	47.5 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-840- G4	47.5 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-830- G4	47.5 mm	13.8 mm	6.8 mm	530.00 g
BA-S-CP-RED- G4	47.5 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

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 %

Certificates & standards

Product description	Energy consumption	Energy efficiency class	Type of protection	Standards
BA-S-CP-865- G4	29 kWh/1000h	A++	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	A++	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	A++	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	B	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

Product family datasheet

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

Download Data

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

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

Product family datasheet

Logistical Data

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-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.