

## 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	Light technical data						Light technical data
	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy	Beam angle
BA-M-CP-880 G4	≥80	Cool White	Cool white	3080 lm	77 lm	107 lm/W	155 °
BA-M-CP-865 G4	≥80	Cool White	Cool white	3080 lm	77 lm	107 lm/W	155 °
BA-M-CP-840 G4	≥80	Neutral White	Neutral white	3080 lm	77 lm	107 lm/W	155 °
BA-M-CP-830 G4	≥80	Warm White	Warm white	3080 lm	73 lm	101 lm/W	155 °
BA-M-CP-RED G4		Red	Red	820 lm	21 lm	35 lm/W	155 °
BA-M-CP-BLUE G4		Blue	Blue	352 lm	9 lm	15 lm/W	155 °

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	Height
BA-M-CP-880 G4	3	40	1	47.5 mm	13.8 mm	6.8 mm
BA-M-CP-865 G4	3	40	1	47.5 mm	13.8 mm	6.8 mm
BA-M-CP-840 G4	3	40	1	47.5 mm	13.8 mm	6.8 mm
BA-M-CP-830 G4	3	40	1	47.5 mm	13.8 mm	6.8 mm
BA-M-CP-RED G4	3	40	1	47.5 mm	13.8 mm	6.8 mm
BA-M-CP-BLUE G4	3	40	1	47.5 mm	13.8 mm	6.8 mm

## Product family datasheet

Product description	Product weight	Temperatures & operating conditions		Lifespan	Capabilities	Certificates & standards
		Temperature range in operation at Tc point	Temperature range at storage	Lifespan	Dimming range	Energy consumption
BA-M-CP-880 G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	29 kWh/1000h
BA-M-CP-865 G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	29 kWh/1000h
BA-M-CP-840 G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	29 kWh/1000h
BA-M-CP-830 G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	29 kWh/1000h
BA-M-CP-RED G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	24 kWh/1000h
BA-M-CP-BLUE G4	270.00 g	-30...70 °C <sup>1)</sup>	-30...85 °C	50000 h <sub>2)</sub>	1...100 %	24 kWh/1000h

Product description	Energy efficiency class	Type of protection	Standards	Logistical data
				Commodity code
BA-M-CP-880 G4	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	940540399000
BA-M-CP-865 G4	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	940540399000
BA-M-CP-840 G4	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	940540399000
BA-M-CP-830 G4	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	940540399000
BA-M-CP-RED G4	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	940540399000

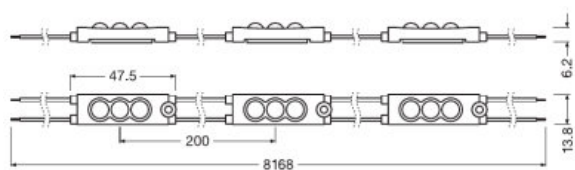
## Product family datasheet

				Logistical data
Product description	Energy efficiency class	Type of protection	Standards	Commodity code
BA-M-CP-BLUE G4	C	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	940540399000

<sup>1)</sup> Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

<sup>2)</sup> L70/B50

## 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](http://www.osram.com)

### Download Data

File	
	IES data IES file of BA-M-CP-880 G4
	IES data IES file of BA-M-CP-865 G4
	IES data IES file of BA-M-CP-840 G4
	IES data IES file of BA-M-CP-830 G4
	IES data IES file of BA-M-CP-RED
	IES data IES file of BA-M-CP-Blue

## Product family datasheet

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899592971	BA-M-CP-880 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm <sup>3</sup>	15282.00 g
4052899592995	BA-M-CP-865 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm <sup>3</sup>	15281.00 g
4052899593022	BA-M-CP-840 G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm <sup>3</sup>	15282.00 g
4052899593053	BA-M-CP-830 G4	Shipping carton box 50	436 mm x 435 mm x 310 mm	58.79 dm <sup>3</sup>	15282.00 g
4052899593084	BA-M-CP-RED G4	Shipping carton box 50	520 mm x 470 mm x 275 mm	67.21 dm <sup>3</sup>	14825.00 g
4052899593114	BA-M-CP-BLUE G4	Shipping carton box 50	435 mm x 435 mm x 310 mm	58.66 dm <sup>3</sup>	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.

### Accessories Optional

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