

PRODUCT DATASHEET BA-M-CP-830 G4

BackLED Plus | LED modules for light advertising and backlighting



Areas of application

- Backlighting of medium size channel letters
- Backlighting of medium light boxes

Product 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



TECHNICAL DATA

Electrical data

Nominal wattage	28.80 W
Construction wattage	28.80 W
Nominal wattage per LED module	0.72 W
Nominal voltage	12 V
Input voltage range	12...13 V
Reverse Voltage	13 V
Type of current	DC
Nominal current	2000.000 mA

Photometrical data

Luminous efficacy	101 lm/W
Luminous flux	3120 lm
Luminous flux per module chain	3120 lm
Color temperature	3000 K
Color rendering index Ra	≥80
Light color LED	Warm white
Light color (designation)	Warm White
Standard deviation of color matching	≤3 sdcm

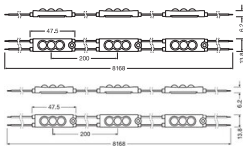
Light technical data

Beam angle	155 °
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LED MODULE INFORMATION

Number of LEDs per module	3
Number of LED modules per chain	40
Minimum operable number of LED modules	1

Dimensions & Weight



Length	47.5 mm
Width	13.80 mm
Height	6.80 mm
Product weight	270.00 g

Temperatures & operating conditions

Ambient temperature range	-30...70 °C
Maximum temperature at tc test point	-30...70 °C
Temperature range in operation	-30...70 °C ¹⁾

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

Lifespan

Nominal lamp life time	50000 h
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Capabilities

Dimmable	Yes
Dimming range	1...100 %

Certificates & Standards

Approval marks – approval	CE / BIS
Standards	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
Type of protection	IP66
Energy consumption	28.80 kWh/1000h
Energy class of contained Light source	F

LOGISTICAL DATA

Temperature range at storage	-30...85 °C
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DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction
	LDT file (Eulumdat)



LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899593053	BAG 1		280.00 g	
4052899593060	Shipping box 50	435 mm x 435 mm x 310 mm	15282.00 g	58.66 dm ³

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.

