

BA-M-CP-865-24-HF -G5

BackLED M CP G5 HF | LED modules for light advertising and backlighting



Product family features

- LED chain comprising 40 LED modules connected by flexible cables
- Each LED module contains 2 LEDs
- LED module pitch variable between 60 and ~ 200 mm
- Compatible with OSRAM OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT and color options available
- IP66 rating
- Lifetime (L70/B50): up to 50,000 h (temperature at $T_c = 70$ °C)
- 5-year warranty @ $T_a = 70$ °C

Product family benefits

- High module efficacy: up to 135 lm/W
- Uniform light pattern design for 60-200 mm lightbox depth
- Backside injection technology for high protection level
- Halogen free without gas hazard
- Flammability resistance material selection fit UL-94 V0

Areas of application

- Channel letters
- Signage boxes
- Luminous areas and ceilings



Product datasheet

Technical data

Electrical data

Nominal voltage	24.0 V
Nominal wattage per chain	24.00 W
Nominal wattage per LED module	0.6 W
Accidental reverse input voltage protection up to	25 V
Input voltage range	23.4...24.9 V
Type of current	DC

Photometrical data

Color temperature	6500 K
Color rendering index Ra	80
Light color LED	Cool white
Luminous flux per module chain	3333 lm
Luminous flux per LED module	83 lm
Luminous efficacy	138 lm/W
Standard deviation of color matching	≤ 3 sdcM
Luminous flux per chain at Ta 25 °C	3333 lm

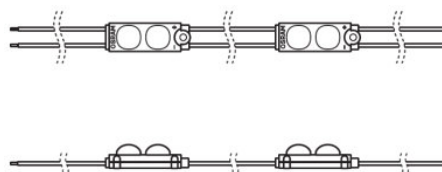
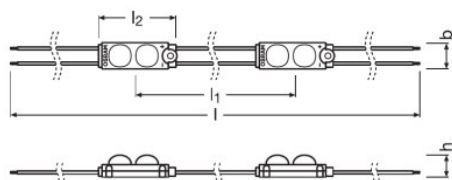
Light technical data

Beam angle	155 °
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LED module information

Number of LEDs per module	2
Number of LED modules per chain	40
Minimum operable number of LED modules	1

Dimensions & weight



Product datasheet

Length	8200 mm
Width	12.2 mm
Height	10.3 mm
Product weight	225.00 g

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...70 °C
Temperature range at storage	-20...85 °C

Lifespan

Lifespan	50000 h
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Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see www.osram.com/led-systems)./In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values
ID of contained light source [GMS]	LS_SHZ_601004

Capabilities

Dimmable	Yes
Dimming range	1...100 %

Certificates & standards

Energy consumption	24 kWh/1000h
Type of protection	IP66
Standards	Acc. to EN 62471:2008/Acc. to IEC 62031/ENEC/CE/UL
Approval marks – approval	CE / BIS / ENEC 25 / cURus / UKCA
Energy efficiency class of the contained light source	E

Logistical data

Commodity code	853951000000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)








Product datasheet

Date of Declaration	23-05-2022
Primary Article Identifier	4052899627918
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Additional product information

- The expected lifetime may be reduced or the LED modules may be destroyed if the maximum operating and storage temperature ratings are exceeded;
- Exceeding the maximum ratings for the operating voltage causes hazardous overload and will likely destroy the LED module.
- The temperature of the LED modules must be measured at the Tc-point in accordance with EN 60598-1 in a thermally constant status with a temperature sensor or a temperature-sensitive label must be available. For the exact location of the Tc-point see User Instructions of the product;

Download Data

File	
	User instruction BackLED CP G5 User Instruction 20210730
	Product Datasheet product datasheet BackLED M CP 24V G5
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Certificates ENEC of BackLED CP G5
	Certificates UL certificate of Compliance BackLED CP G5
	CAD data 3-dim 3D drawing of BackLED CP 24V G5 MHOHFS
	IES data IES file of BA M CP 865 24 G5

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899627918	BA-M-CP-865-24-HF -G5	Shipping carton box 30	355 mm x 255 mm x 240 mm	21.73 dm ³	7490.00 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 datasheet

Accessories Optional

Product description	Accessory name	Accessory code
BA-M-CP-865-24-HF -G5	BA -MP-SM-G5-2M	▶ 4052899629196
BA-M-CP-865-24-HF -G5	BA -CLIP-SM-G5	▶ 4052899629349

Disclaimer

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