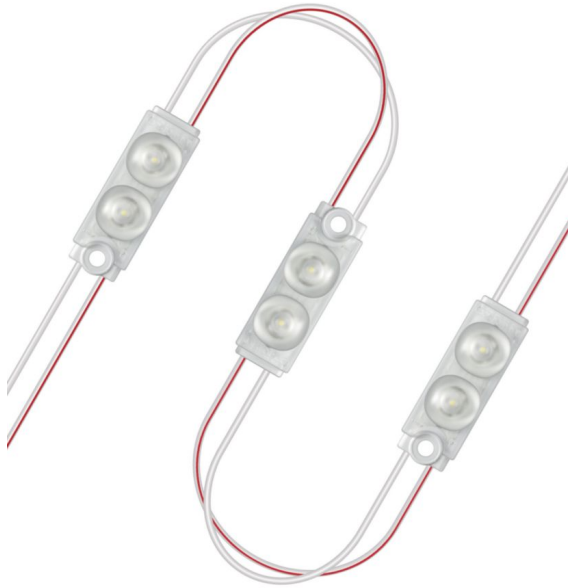


The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

BA-M-CP-840-24 -G5

BackLED M CP G5 24V | 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 Inventronics OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT and color options available
- IP66 rating
- Lifetime (L80/B10): 50,000 h (temperature at $T_c = 70^\circ\text{C}$)
- 5-year warranty @ $T_a = 70^\circ\text{C}$

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



Specifications are subject to changes without notice.

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Areas of application

- Channel letters
- Signage boxes
- Luminous areas and ceilings

Technical data

Electrical data

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

Photometrical data

Color rendering index Ra	80
Luminous efficacy	133 lm/W
Color Temperature	4000
Luminous flux per LED module	80 lm
Standard deviation of color matc	<=3 sdcn

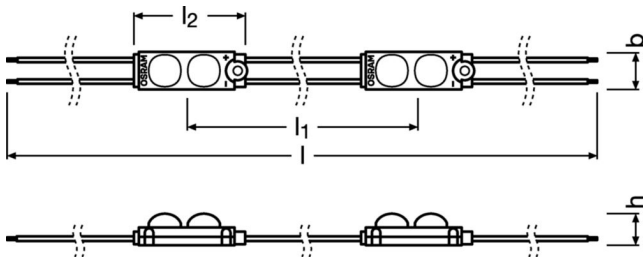
Light technical data

Beam angle	155 °
Starting time	< 0.5 s

LED module information

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

Dimensions & weight



Length	8200 mm
Width	12.2 mm
Height	10.3 mm
Product weight	225.00 g
Module pitch	200 mm
Module length	35.5 mm

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...75 °C
Temperature range at storage	-25...85 °C

Lifespan

Rated lamp life time	50000 h
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Additional product data

ID of contained light source	LS_SHZ_600815
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Capabilities

Dimming range	1...100 %
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Certificates & standards

Standards	EN 62471:2008 / IEC 62031 / ENEC / CE / UL
Type of protection	IP66
Approval marks – approval	CE / BIS / cURus / ENEC 25 / UKCA
Energy efficiency class of the contained light source	E

Logistical data

Commodity code	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	27-08-2025
Primary Article Identifier	4052899627772 6937186123398
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Ecodesign regulation information:

- 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. In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- 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.

Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
 - Installation by qualified electrician only.
 - Please see the relevant application guides and instructions sheets for more detailed safety and mounting information.
- Additional information is available on request.

Download Data

File		
IES data	Compressed	▶ IES file of BA M CP 840 24 G5
Certificates	PDF	▶ ENEC of BackLED CP G5
Certificates	PDF	▶ UL certificate of Compliance BackLED CP G5
CAD data 3-dim	Compressed	▶ 3D drawing of BackLED CP 24V G5 M/HO/HF/S
Product Datasheet	PDF	▶ product datasheet BackLED M CP 24V G5
Mandatory Publications	PDF	▶ BA CP G5 24 CED 9C1-4320108-EN-00 20210622
Mandatory Publications	PDF	▶ BA CP G5 24 UKD 9C1-4320110-EN-00 20210622
User instruction	PDF	▶ BackLED CP G5 User Instruction 20210730

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899627772 OSRAM	BA-M-CP-840-24 -G5	Shipping carton box 30 Pieces	355 x 255 x 240 mm	21.73 dm ³	249.67 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-840-24 -G5	BA -MP-SM-G5-2M	▶ 4052899629196
BA-M-CP-840-24 -G5	BA -MP-SM-G5-2M	▶ 6937186140524
BA-M-CP-840-24 -G5	BA -CLIP-SM-G5	▶ 4052899629349
BA-M-CP-840-24 -G5	BA -CLIP-SM-G5	▶ 6937186140586

Disclaimer

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