BackLED TW CP G5

LED modules for light advertising and backlighting



Product family features

- Light color: dynamic 2700...6500 K
- Compatible with OSRAM OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- IP66 rating
- Lifetime (L80/B10): 50,000 h (temperature at T_C = 75 °C)

Product family benefits

- Backside injection technology for high protection level
- 5 year guarantee

Areas of application

- Daylight simulation
- Channel letters
- Luminous areas and ceilings

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Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BA-TW-CP-827.865-24 -G5 [1)]	24.0 V	2 W	24 V	23.4...24.9 V	DC

[1)] See product remark

Photometrical data

Product description	Light color LED	Lumi-nous flux per module chain	Luminous efficacy
BA-TW-CP-827.865-24 -G5 [1)]	White	8310 lm	127/150 lm/W

[1)] See product remark

Light technical data

Product description	Beam angle
BA-TW-CP-827.865-24 -G5 [1)]	155 °

[1)] See product remark

LED module information

Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-TW-CP-827.865-24 -G5 [1)]	4	30	1

[1)] See product remark

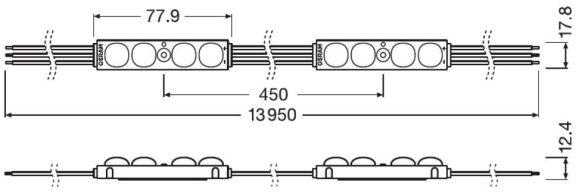
Dimensions & weight

Product description	Product weight
BA-TW-CP-827.865-24 -G5 [1)]	925.00 g

[1)] See product remark

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Product line drawing



BA-TW-CP-827.865-24 -G5

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
BA-TW-CP-827.865-24 -G5 [1)]	-25…75 °C	-25…85 °C

[1)] See product remark

Additional product data

Product description	Predecessor EAN
BA-TW-CP-827.865-24 -G5 [1)]	4052899452954

[1)] See product remark

Capabilities

Product description	Dimmable	Dimming range
BA-TW-CP-827.865-24 -G5 [1)]	Yes	1…100 %

[1)] See product remark

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Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-TW-CP-827.865-24 -G5 [1)]	60 kWh/1000h	IP66	CE/ENEC/UL/BIS

[1)] See product remark

Logistical data

Product description	Commodity code
BA-TW-CP-827.865-24 -G5 [1)]	85395100000

[1)] See product remark

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
BA-TW-CP-827.865-24 -G5 [1)]	31-03-2023	4052899627253	No declarable substances contained

Product description	Declaration No. in SCIP database
BA-TW-CP-827.865-24 -G5 [1)]	No declarable substances contained

[1)] See product remark

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

Application advice

For more detailed application information and graphics please see product datasheet.

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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.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

	File
	User instruction BackLED XL CP G5 TW UI
	Product Datasheet Product datasheet BA TW CP 827.865 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 TW
	IES data IES file of BA TW CP 827.865 24 G5

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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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899627253	BA-TW-CP-827.865-24 -G5	Shipping carton box 10	355 mm x 255 mm x 240 mm	21.73 dm^3	9900.00 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-TW-CP-827.865-24 -G5	BA -MP-L-G5-2M	4052899629189
BA-TW-CP-827.865-24 -G5	BA -CLIP-SM-G5	4052899629349

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