

## PRODUCT DATASHEET OT BLE DIM

CV dimmers with Bluetooth



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### AREAS OF APPLICATION

- Suitable for indoor installations
- Shops and hospitality: retail, hotels, restaurants
- Museums, residential buildings

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### PRODUCT FAMILY BENEFITS

- Control of white, Tunable White, RGB and RGBW LED modules
- Independent housing for ceiling installation
- Support of systems based on CASAMBI lighting control solutions
- Minimal installation effort
- Dry contacts for optional connection to any commercial pushbutton

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### PRODUCT FAMILY FEATURES

- Wireless 4-channel dimmer, with a output voltage of 12 V and 24 V
- Control of LED loads of up to 240 W
- Wireless module based on Bluetooth Low Energy

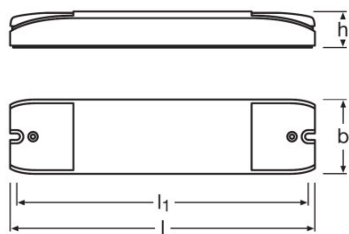
**TECHNICAL DATA**

Electrical data

Nominal voltage	12...24 V
Mains frequency	0 Hz/50 Hz
ECG efficiency	98 % <sup>1)</sup>
Power loss in stand-by mode	<0.5 W
Nominal output voltage	12...24 V
U-OUT (working voltage)	24 V
Nominal output power	240 W
Galvanic isolation	Non isolated

<sup>1)</sup> At full load

Dimensions & weight



Length	172.0 mm
Width	42.0 mm
Height	20.0 mm
Mounting hole spacing, length	164.0 mm
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>
Product weight	200.00 g
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	65 °C

<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>
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<sup>1)</sup> Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65^{\circ}C$  at  $T_c$  point / 10% failure rate

## Additional product data

<b>Encapsulated</b>	No
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## Capabilities

<b>Dimmable</b>	Yes
<b>Dimming interface</b>	Bluetooth Low Energie
<b>Dimming range</b>	0...100 %
<b>Dimming method</b>	Pulse Width Modulation
<b>Overheating protection</b>	Yes <sup>1)</sup>
<b>Overload protection</b>	Yes <sup>1)</sup>
<b>No-load proof</b>	Yes
<b>Suitable for fixtures with prot. class</b>	III
<b>Type of connection, output side</b>	Screw terminal

<sup>1)</sup> In combination with OPTOTRONIC power supply




## Certificates & standards

<b>Approval marks – approval</b>	CE
<b>Standards</b>	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61347-2-11/Acc. to ETSI EN 300 328/Acc. to ETSI EN 301 489-17
<b>Type of protection</b>	IP20

## Logistical data

<b>Temperature range at storage</b>	-40...+85 °C
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## DOWNLOAD DATA

File	
 User instruction OPTOTRONIC LED Power Supply	
 Product Datasheet Product datasheet OT BLE DIM (EN)	
 Declarations of conformity EU Declaration of Conformity 3595862	

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899557833	Unpacked 1	- x - x -	331.00 g	
4052899557840	Shipping carton box 20	351 mm x 222 mm x 68 mm	4530.00 g	5.30 dm <sup>3</sup>

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.

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#### DISCLAIMER

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