PRODUCT DATASHEET
OT BLE DIM

CV dimmers with Bluetooth | CV dimmers with Bluetooth



Areas of application

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

Product 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

Product 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

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TECHNICAL DATA

Electrical data

Nominal wattage	240.00 W
Nominal output power	240 W
Nominal voltage	12…24 V
Nominal output voltage	12…24 V
Input voltage DC	12…24 V
U-OUT (working voltage)	24 V
Mains frequency	0/50 Hz
ECG efficiency	98 % [1)]
Device power loss	0.5 W
Galvanic isolation	Non isolated
Operating frequency	600 Hz
Power loss in stand-by mode	< 0.5 W

1) At full load

Dimensions & Weight

Length	172.00 mm
Mounting hole spacing, length	164,0 mm
Width	42.00 mm
Height	20.00 mm
Cable cross-section, input side	0.5…1.5 mm^2
Cable cross-section, output side	0.5…1.5 mm^2
Wire preparation length, input side	9…11 mm
Wire preparation length, output side	9…11 mm
Product weight	200.00 g

Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	65 °C
Max.housing temperature in case of fault	115 °C

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Permitted rel. humidity during operation	5…85 % [1)]

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h [1)]

1) At T_{case} = 65 °C at T_C point / 10 % failure rate

Additional product data

Encapsulated	No
Number of control outputs	4

Capabilities

Dimmable	Yes
Dimming interface	Bluetooth Low Energie
Dimming range	0…100 %
Overheating protection	Yes
Overload protection	Yes
No-load proof	Yes
Suitable for fixtures with prot. class	III
Type of connection, output side	Screw terminal
Type of installation	Luminaire integration/Ceiling integration

Certificates & Standards

Approval marks – approval	CE
Standards	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
Protection class	III
Type of protection	IP20
Energy efficiency class	A1

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply

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	Documents and certificates	Document name
PDF	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		331.00 g	
4052899557840	Shipping box 20	351 mm x 222 mm x 68 mm	4530.00 g	5.30 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.

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