OT BLE DIM

CV dimmers with Bluetooth



Product family features

- Wireless 5-channel dimmer, with output voltage of 12, 24 and 48 V
- Control of LED modules up to 12 A
- Wireless module based on Bluetooth Low Energy

Product family benefits

- Control of white, Tunable White, RGB, RGBW and RGBTW 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

Areas of application

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

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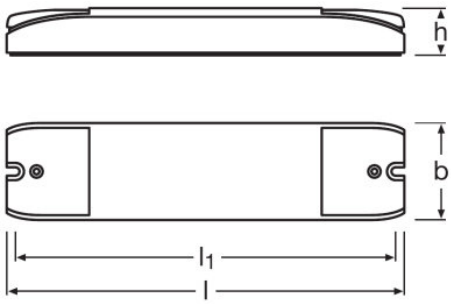
Technical data

Electrical data

Nominal input voltage	12…24 V
Mains frequency	0/50/ Hz
ECG efficiency	98 % [1)]
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

1) At full load

Dimensions & weight



Length	172.0 mm
Width	42.0 mm
Height	20.0 mm
Mounting hole spacing, length	164.0 mm
Mounting length	164.0 mm
Product weight	200.00 g
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

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Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	65 °C
Temperature range at storage	-40…+85 °C
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

Capabilities

Dimmable	Yes
Dimming interface	Bluetooth Low Energie
Dimming range	0…100 %
Dimming method	Pulse Width Modulation
Overheating protection	Yes [1)]
Overload protection	Yes [1)]
No-load proof	Yes
Suitable for fixtures with prot. class	III
Type of connection, output side	Screw terminal
Number of channels	4

[1)] In combination with OPTOTRONIC power supply

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
Type of protection	IP20

Logistical data

Commodity code	85371098990

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	12-02-2022
Primary Article Identifier	4052899557833
Declaration No. in SCIP database	In work

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Product datasheet

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Product datasheet OT BLE DIM (EN)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Brochures Light is smart color control - Intuitive light management (EN)
	Declarations of conformity EU Declaration of Conformity 3595862
	CAD data 3-dim OT BLE DIM _ 3D igs file

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899557833	OT BLE DIM	Shipping carton box 20	351 mm x 222 mm x 68 mm	5.30 dm^3	4530.00 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.

Disclaimer

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

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