OSRAM

CV dimmers with Bluetooth

Areas of application

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

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

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
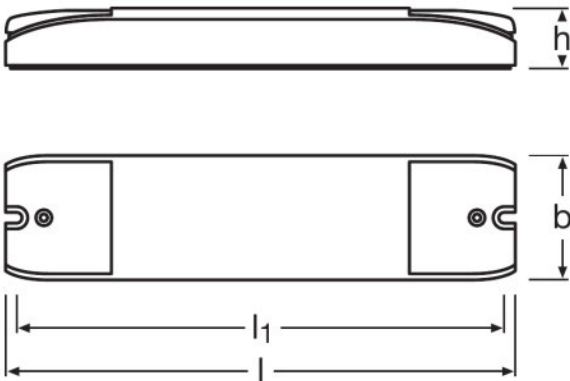
Technical data

Electrical data

Product description	Nominal input voltage	Nominal output voltage	U-OUT (working voltage)	Nominal output power	Galvanic isolation
OT BLE DIM	12...24 V	12...24 V	24 V	240 W	Non isolated

Dimensions & weight

Product description	Mounting hole spacing, length	Mounting length	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT BLE DIM	164.0 mm	164.0 mm	20000 g	0.5...1.5 mm²	0.5...1.5 mm²

Product description	Wire preparation length, input side	Wire preparation length, output side	Height	Width	Length
OT BLE DIM	10 mm	10 mm	200 mm	420 mm	1720 mm

Product line drawing

OT BLE DIM

Product family datasheet

Colors & materials

Product description	Casing material
OT BLE DIM	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Temperature range at storage	Permitted rel. humidity during operation
OT BLE DIM	-20...+45 °C	65 °C	-40...+85 °C	5...85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT BLE DIM	50000 h [1]

[1] At T_{case} = 65°C at T_c point / 10% failure rate

Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OT BLE DIM	Yes	Bluetooth Low Energie	0...100 %	Pulse Width Modulation

Product description	Overheating protection	Overload protection	No-load proof	Suitable for fixtures with prot. class
OT BLE DIM	Yes [1]	Yes [1]	Yes	III

Product description	Type of connection, output side	Number of channels
OT BLE DIM	Screw terminal	4

[1] In combination with OPTOTRONIC power supply

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT BLE DIM	CE	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	IP20

Logistical data

Product description	Commodity code
OT BLE DIM	85371098990

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

Product description	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
OT BLE DIM	12-02-2022	4052899557833	In work

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

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

Product family datasheet

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 dm³	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.