

PRODUCT FAMILY DATASHEET

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 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 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

Product description	Nominal voltage	Mains frequency	ECG efficiency	Power loss in stand-by mode	Nominal output voltage	U-OUT (working voltage)	Nominal output power
OT BLE DIM	12...24 V	0 Hz/50 Hz	98 % ¹⁾	<0.5 W	12...24 V	24 V	240 W

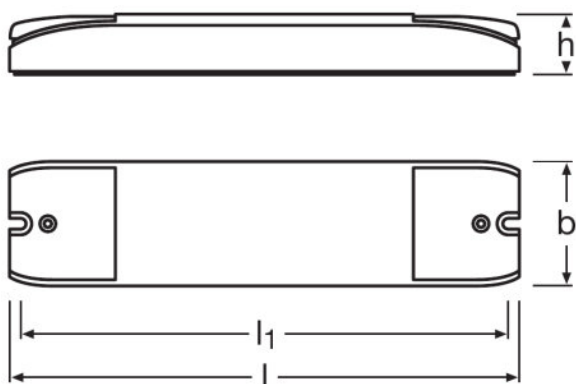
Product description	Galvanic isolation
OT BLE DIM	Non isolated

¹⁾ At full load

Dimensions & weight

Product description	Length	Width	Height	Product weight
OT BLE DIM	172.0 mm	42.0 mm	20.0 mm	200.00 g

Product line drawing



OT BLE DIM

Colors & materials

Product description	Casing material
OT BLE DIM	Plastic

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT BLE DIM	50000 h ¹⁾

¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Additional product data

Product description	Encapsulated
OT BLE DIM	No

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
OT BLE DIM	Screw terminal

¹⁾ In combination with OPTOTRONIC power supply

Certificates & standards

Product description	Approval marks – approval
OT BLE DIM	CE

Product description	Standards	Type of protection
OT BLE DIM	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	Temperature range at storage
OT BLE DIM	-40...+85 °C




APPLICATION ADVICE

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

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

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
4052899557840	Shipping carton 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.