

OT BLE DIM

CV dimmers with Bluetooth



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

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

Areas of application

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

Product datasheet

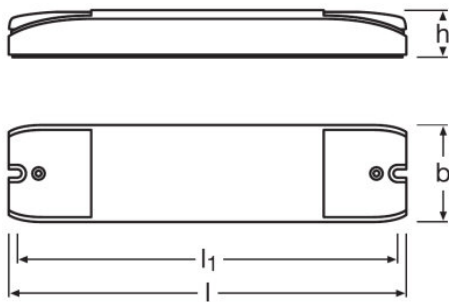
Technical data

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 mm ² |
| Cable cross-section, output side | 0.5...1.5 mm ² |
| Wire preparation length, input side | 10 mm |
| Wire preparation length, output side | 10 mm |

Colors & materials

| | |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

Temperatures & operating conditions

Product datasheet

| | |
|--|------------------------|
| 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 $T_{case} = 65^{\circ}C$ 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 | 853710989900 |
|----------------|--------------|

Download Data

| File | |
|---|---|
|  | User instruction OPTOTRONIC LED Power Supply |
|  | User instruction OPTOTRONIC LED Power Supply |

Product datasheet

| | |
|---|---|
|  | 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.