

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

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 | 10 mm |
| Wire preparation length, output side | 10 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 |
| 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 |
| Number of control outputs | 4 |
| 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 |
|--|--|--------------------------------------|
|  | User instruction / safety instructions | OPTOTRONIC LED Power Supply |
|  | 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.