

## PRODUCT DATASHEET OT DMX RGBW DIM

CV Dimmers with DMX | CV Dimmers with DMX



### Areas of application

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

### Product benefits

- 3- and 4-channel DMX dimmer for RGB and RGBW LED module
- Independent housing for ceiling installation
- High PWM frequency to optimize video recording

### Product features

- Intelligent DMX dimmer with multi-channel topology and single control
- Automatic or manual addressing
- Device fits also for special applications where dimming below 1 % is required

## TECHNICAL DATA

### Electrical data

|                             |                    |
|-----------------------------|--------------------|
| Nominal wattage             | 180.00 W           |
| Nominal output power        | 182 W              |
| Nominal voltage             | 12...24 V          |
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| Input voltage DC            | 12/24 V            |
| U-OUT (working voltage)     | 24 V               |
| Mains frequency             | 0 Hz               |
| ECG efficiency              | 95 % <sup>1)</sup> |
| Device power loss           | 4 W <sup>2)</sup>  |
| Galvanic isolation          | Non isolated       |
| Power loss in stand-by mode | < 0.5 W            |

1) At full load

2) Maximum

### 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 <sup>2</sup> |
| Cable cross-section, output side     | 0.5...1.5 mm <sup>2</sup> |
| Wire preparation length, input side  | 10 mm                     |
| Wire preparation length, output side | 10 mm                     |
| Product weight                       | 71.00 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 % <sup>1)</sup> |

1) Maximum 56 days/year at 85 %

## Lifespan

|              |                       |
|--------------|-----------------------|
| ECG lifetime | 50000 h <sup>1)</sup> |
|--------------|-----------------------|

<sup>1)</sup> T<sub>c</sub> = 85°C, 0.2% / 1,000 h failure rate

## Additional product data

|              |    |
|--------------|----|
| Encapsulated | No |
|--------------|----|

## Capabilities

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Dimmable                               | Yes                                       |
| Dimming interface                      | DMX                                       |
| Dimming range                          | 0...100 %                                 |
| Overheating protection                 | Yes                                       |
| Overload protection                    | Yes                                       |
| Short-circuit protection               | Yes <sup>1)</sup>                         |
| No-load proof                          | Yes                                       |
| Suitable for fixtures with prot. class | I / II                                    |
| Type of connection, output side        | Screw terminal                            |
| Number of control outputs              | 4                                         |
| Type of installation                   | Luminaire integration/Ceiling integration |

<sup>1)</sup> In combination with OPTOTRONIC power supply

## Certificates &amp; Standards

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Approval marks – approval | CE / MM                                                     |
| Standards                 | Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61347-2-11 |
| Protection class          | III                                                         |
| Type of protection        | IP20                                                        |

## LOGISTICAL DATA

|                              |             |
|------------------------------|-------------|
| Temperature range at storage | -25...85 °C |
|------------------------------|-------------|

## DOWNLOAD DATA

| Documents and certificates                                                             |                               |
|----------------------------------------------------------------------------------------|-------------------------------|
|  PDF | User instruction              |
|  PDF | Declarations Of Conformity CE |
|  PDF | Certificates                  |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4052899557949 | Unpacked<br>1                |                                      |              |                      |
| 4052899557956 | Shipping box<br>20           | 351 mm x 222 mm x 68 mm              | 1950.00 g    | 5.30 dm <sup>3</sup> |

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.