

## PRODUCT DATASHEET OT DMX RGBW DIM

### 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

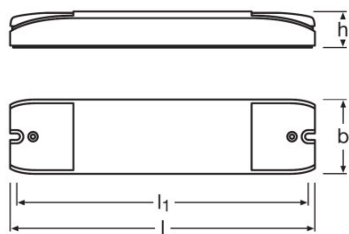
**TECHNICAL DATA**

Electrical data

Nominal voltage	12...24 V
Mains frequency	0 Hz
ECG efficiency	95 % <sup>1)</sup>
Power loss in stand-by mode	<0.5 W
Nominal output voltage	12...24 V
U-OUT (working voltage)	24 V
Nominal output power	180 W
Galvanic isolation	Non isolated

<sup>1)</sup> At full load

Dimensions & weight



Length	172.0 mm
Width	42.0 mm
Height	20.0 mm
Mounting hole spacing, length	164.0 mm
Product weight	71.00 g
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

Colors & materials

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

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	65 °C

Permitted rel. humidity during operation	5...85 %
--	----------

### Lifespan

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

<sup>1)</sup>  $T_c = 85^\circ\text{C}$ , 0.2% / 1,000 h failure rate

### Additional product data

Encapsulated	No
--------------	----

### Capabilities

Dimmable	Yes
Dimming interface	DMX
Dimming range	0...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Yes <sup>1)</sup>
Overload protection	Yes <sup>1)</sup>
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

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





### Certificates & standards

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

### Logistical data

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

### DOWNLOAD DATA

File
 User instruction OPTOTRONIC LED Power Supply
 Product Datasheet OT TDS OT DMX RGBW DIM 20180715
 Certificates Certificate of Compliance 20180412-E346592 (EN)
 Declarations of conformity EU Declaration of Conformity 3629296 (EN)

---

**LOGISTICAL DATA**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899557949	OT DMX RGBW DIM	Shipping carton box 20	351 mm x 222 mm x 68 mm	5.30 dm <sup>3</sup>	1950.00 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.