

PRODUCT FAMILY DATASHEET

CV Dimmers with DMX



AREAS OF APPLICATION

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

PRODUCT FAMILY 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 FAMILY 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

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 DMX RGBW DIM	12...24 V	0 Hz	95 % ¹⁾	<0.5 W	12...24 V	24 V	180 W

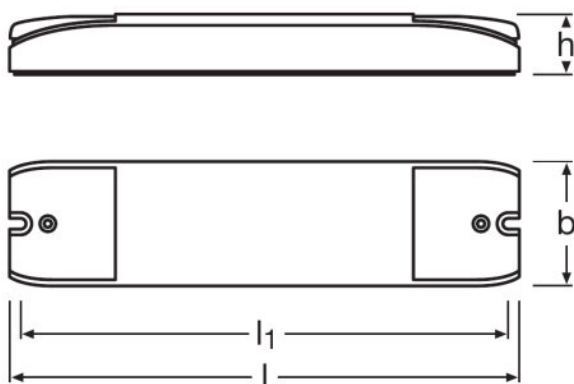
Product description	Galvanic isolation
OT DMX RGBW DIM	Non isolated

¹⁾ At full load

Dimensions & weight

Product description	Length	Width	Height	Product weight
OT DMX RGBW DIM	172.0 mm	42.0 mm	20.0 mm	71.00 g

Product line drawing



OT DMX RGBW DIM

Colors & materials

Product description	Casing material
OT DMX RGBW DIM	Plastic

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT DMX RGBW DIM	50000 h ¹⁾

¹⁾ T_c = 85°C, 0.2% / 1,000 h failure rate

Additional product data

Product description	Encapsulated
OT DMX RGBW DIM	No

Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OT DMX RGBW DIM	Yes	DMX	0...100 %	Pulse Width Modulation

Product description	Overheating protection	Overload protection	Short-circuit protection	No-load proof
OT DMX RGBW DIM	Yes ¹⁾	Yes ¹⁾	Yes ¹⁾	Yes

Product description	Suitable for fixtures with prot. class	Type of connection, output side
OT DMX RGBW DIM	I / II	Screw terminal

¹⁾ In combination with OPTOTRONIC power supply

Certificates & standards

Product description	Approval marks – approval
OT DMX RGBW DIM	CE / MM

Product description	Standards	Type of protection
OT DMX RGBW DIM	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61347-2-11	IP20

Logistical data

Product description	Temperature range at storage
OT DMX RGBW DIM	-25...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 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	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899557956	Shipping carton box 20	351 mm x 222 mm x 68 mm	1950.00 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.