

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 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

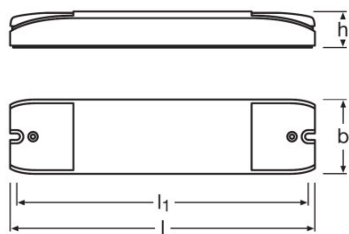
TECHNICAL DATA

Electrical data

Nominal voltage	12...24 V
Mains frequency	0 Hz
ECG efficiency	95 % 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	180 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
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Product weight	71.00 g
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

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

Permitted rel. humidity during operation	5...85 % ¹⁾
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¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ $T_c = 85^\circ\text{C}$, 0.2% / 1,000 h failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	DMX
Dimming range	0...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Yes ¹⁾
Overload protection	Yes ¹⁾
Short-circuit protection	Yes ¹⁾
No-load proof	Yes
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Screw terminal

¹⁾ 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
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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
4052899557949	Unpacked 1	- x - x -		
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.