

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
Nominal output voltage	12...24 V
Input voltage DC	12/24 V
U-OUT (working voltage)	24 V
Mains frequency	0 Hz
ECG efficiency	95 % ¹⁾
Device power loss	4 W ²⁾
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 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	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 % ¹⁾

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ T_c = 85°C, 0.2% / 1,000 h failure rate

Additional product data

Encapsulated	No
Number of control outputs	4

Capabilities

Dimmable	Yes
Dimming interface	DMX
Dimming range	0...100 %
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes ¹⁾
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

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
Protection class	III
Type of protection	IP20

LOGISTICAL DATA

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

Documents and certificates		Document name
	User instruction / safety instructions	OPTOTRONIC LED Power Supply
	Declarations of conformity	EU Declaration of Conformity 3629296 (EN)
	Certificates	Certificate of Compliance 20180412-E346592 (EN)

Documents and certificates	Document name
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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899557949	Unpacked 1			
4052899557956	Shipping 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.