

OT DMX RGBW DIM *(NEW)*

CV Dimmers with DMX



Product family features

- Intelligent DMX dimmer, with output voltage of 12, 24 and 48 V
- Control of LED modules up to 12 A
- RDM functionality for total control in application

Product family benefits

- Control of white, Tunable White, RGB, RGBW and RGBTW LED modules
- Independent housing for ceiling installation
- Minimal installation effort
- Selectable PWM frequency

Areas of application

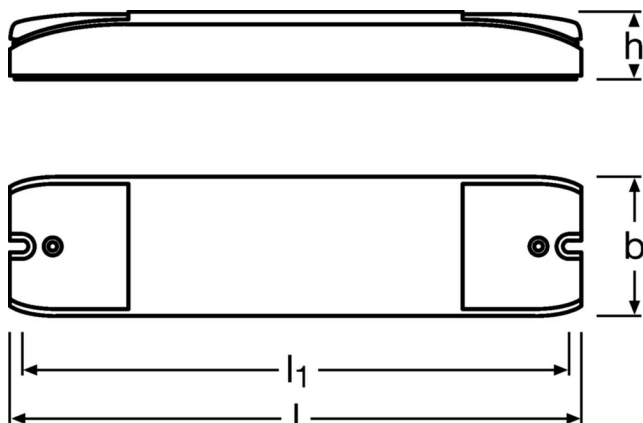
- Suitable for indoor installations
- Shops and hospitality: retail, hotels, restaurants
- Museums, residential buildings, gyms

Technical data

Electrical data

Nominal input voltage	12...24 V
Mains frequency	0 Hz
Input voltage DC	12/24 V
Inrush current	not relevant
Max. ECG no. on circuit breaker 10 A (B)	not relevant
Max. ECG no. on circuit breaker 16 A (B)	not relevant
Surge capability (L/N-Ground)	not relevant
Surge capability (L-N)	not relevant kV
Nominal output voltage	12...24 V
U-OUT (working voltage)	24 V
Nominal output power	182 W
Galvanic isolation	Non isolated

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
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Product weight	71.00 g

Colors & materials

Casing material	Plastic
Product color	White

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
Temperature range at storage	-25...85 °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

Successor EAN	6977078993838
Predecessor EAN	4008321160829

Capabilities

Dimmable	Yes
Dimming interface	DMX
Dimming range	0...100 %
Dimming method	Pulse Width Modulation
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Screw terminal
Number of channels	4
Overheating protection	Yes ¹⁾
Overload protection	Yes ¹⁾
Short-circuit protection	Yes ¹⁾
Intended for no-load operation	No
No-load proof	Yes

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

Commodity code	85371098990
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	17-09-2024
Primary Article Identifier	4052899557949
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Download Data

File		
Brochures	PDF	▶ OPTOTRONIC constant-voltage LED power supplies and controls (EN)
Product Datasheet	PDF	▶ OT TDS OT DMX RGBW DIM 20190214 (EN)
Certificates	PDF	▶ Certificate of Compliance 20180412-E346592 (EN)
CAD data 3-dim	Compressed	▶ OT DMX RGBW DIM-3D igs file
Mandatory Publications	PDF	▶ OT DIM DMX RGBW UKDoC 4371004 151221
Declarations of conformity	PDF	▶ EU Declaration of Conformity 3629296 (EN)
User instruction	PDF	▶ OPTOTRONIC LED Power Supply

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 Pieces	351 x 222 x 68 mm	5.30 dm ³	97.50 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.