

OT DMX RGBW DIM

CV Dimmers with DMX



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

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

Areas of application

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

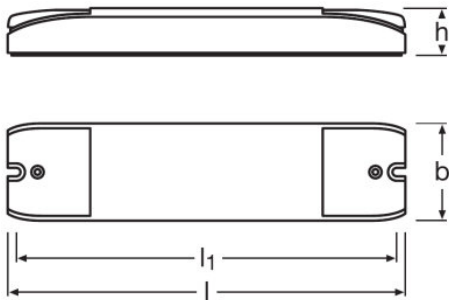
Technical data

Electrical data

Nominal input voltage	12...24 V
Nominal output voltage	12...24 V
U-OUT (working voltage)	24 V
Nominal output power	182 W
Galvanic isolation	Non isolated
Device power loss	4.0 W ¹⁾

¹⁾ Maximum

Dimensions & weight



Mounting hole spacing, length	164.0 mm
Mounting length	164.0 mm
Product weight	7100 g
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
Length	1720 mm
Width	420 mm
Height	200 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

Product datasheet

Temperature range at storage	-25...85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾
Max.housing temperature in case of fault	115 °C

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

Predecessor EAN	4008321160829
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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
Number of channels	4

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
Protection class	III

Logistical data

Commodity code	85371098990
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
Date of Declaration	21-04-2023

Product datasheet

Primary Article Identifier	4052899557949
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

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

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 ³	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.