

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

Product family datasheet

Technical data

Electrical data

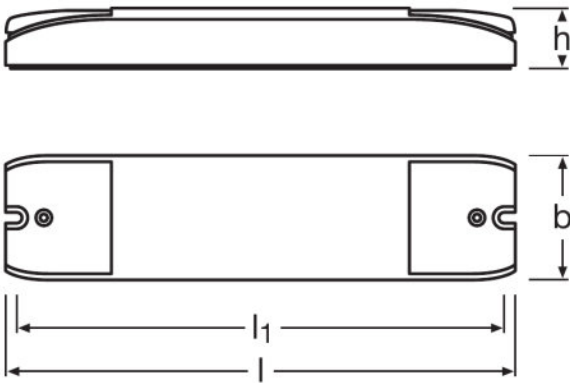
Product description	Nominal input voltage	Nominal output voltage	U-OUT (working voltage)	Nominal output power	Galvanic isolation
OT DMX RGBW DIM	12...24 V	12...24 V	24 V	182 W	Non isolated

Dimensions & weight

Product description	Mounting hole spacing, length	Mounting length	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT DMX RGBW DIM	164.0 mm	164.0 mm	71.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²

Product description	Wire preparation length, input side	Wire preparation length, output side	Width	Height	Length
OT DMX RGBW DIM	10 mm	10 mm	42.0 mm	20.0 mm	172.0 mm

Product line drawing



OT DMX RGBW DIM

Product family datasheet

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	Temperature range at storage	Permitted rel. humidity during operation
OT DMX RGBW DIM	-20...+45 °C	65 °C	-25...85 °C	5...85 % ¹⁾

Product description	Max.housing temperature in case of fault
OT DMX RGBW DIM	115 °C

¹⁾ Maximum 56 days/year at 85 %

Lifespan

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

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

Additional product data

Product description	Predecessor EAN
OT DMX RGBW DIM	4008321160829

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	Number of channels
OT DMX RGBW DIM	I / II	Screw terminal	4

¹⁾ In combination with OPTOTRONIC power supply

Product family datasheet

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT DMX RGBW DIM	CE / MM	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61347-2-11	IP20

Logistical data

Product description	Commodity code
OT DMX RGBW DIM	85371098990

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT DMX RGBW DIM	21-04-2023	4052899557949	No declarable substances contained

Product description	Declaration No. in SCIP database
OT DMX RGBW DIM	No declarable substances contained

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

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)

Product family datasheet

	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.