

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	Mains frequency	Nominal output voltage	U-OUT (working voltage)	Nominal output power
OT DMX RGBW DIM	12...24 V	0 Hz	12...24 V	24 V	182 W

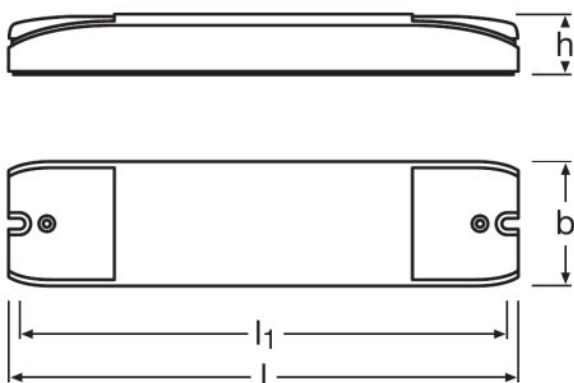
Product description	Galvanic isolation
OT DMX RGBW DIM	Non isolated

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	Length	Height	Width
OT DMX RGBW DIM	10 mm	10 mm	172.0 mm	20.0 mm	42.0 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	853710989900

Environmental information

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT DMX RGBW DIM	23-12-2021	4052899557949	No declarable substances contained

Product description	CAS No. of substance 1	Declaration No. in SCIP database
OT DMX RGBW DIM	No CAS	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)
 Certificates Certificate of Compliance 20180412-E346592 (EN)

Product family datasheet



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.