

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OT DMX DIM 5CH

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

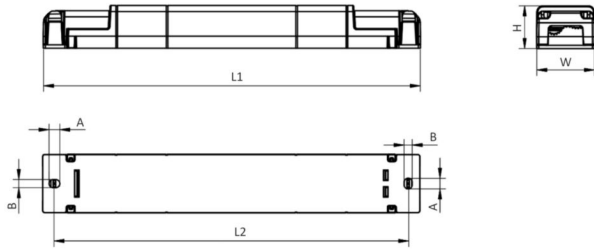
Technical data

Electrical data

Mains frequency	0 Hz
Input voltage DC	12 V; 24 V; 48 V V
Max. ECG no. on circuit breaker 10 A (B)	not relevant
Max. ECG no. on circuit breaker 16 A (B)	not relevant
Nominal output voltage	12 V / 24 V / 48 V
U-OUT (working voltage)	48 V
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	576 W ¹⁾
Maximum output power	576 W
Galvanic isolation	Non isolated
Networked standby power	<0.50 W

1) 144 W @ 12 V
288 W @ 24 V
576 W @ 48 V

Dimensions & weight



Length	172.0 mm
Width	42.0 mm
Height	20.0 mm
Mounting hole spacing, length	174.0 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	9.0...10.0 mm
Wire preparation length, output side	9.0...10.0 mm
Product weight	71.00 g

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

Ambient temperature range	-10...+50 °C
Maximum temperature at tc test point	90 °C ¹⁾
Temperature range at storage	-40...60 °C
Permitted rel. humidity during operation	5...85 % ²⁾

1) Measured on tc point indicated of the product label.

2) Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
---------------------	-----------------------

1) At $T_c = 80^\circ\text{C}$ / 10% failure rate

Capabilities

Dimmable	Yes
Dimming interface	DMX512 protocol ¹⁾
Dimming range	0 - 1...100 %
Dimming method	Pulse Width Modulation
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Push-in terminal
Number of channels	5
Overheating protection	No ²⁾
Overload protection	No ³⁾
Short-circuit protection	No ⁴⁾
Intended for no-load operation	No
No-load proof	No

1) with RDM functionality

2) Check T_c point on critical installations

3) Available combination with OPTOTRONIC LED drivers

4) Available combination with OPTOTRONIC LED driver

Certificates & standards

Approval marks – approval	CE
Standards	EN 55015 / EN 61547 / EN 61347-2-13 / EN 61347-1
Type of protection	IP20

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	26-02-2025
Primary Article Identifier	6977078993838
Declaration No. in SCIP database	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		
Product Datasheet	PDF	▶ OT DMX DIM 5CH TDS 130924
CAD data	Compressed	▶ OT DMX DIM 5CH STEP 120924
User instruction	PDF	▶ G15130149_UI_OT_DMX_DIM_5CH_02

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078993838	OT DMX DIM 5CH	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