

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

OT Wi DIM 5CH CA (INVENTRONICS LABELLED)

CV dimmers with Bluetooth



Product family features

- Wireless 5-channel dimmer, with output voltage of 12, 24 and 48 V
- Control of LED modules up to 12 A
- Wireless module based on Bluetooth Low Energy

Product family benefits

- Control of white, Tunable White, RGB, RGBW and RGBTW LED modules
- Independent housing for ceiling installation
- Support of systems based on CASAMBI lighting control solutions
- Minimal installation effort
- Dry contacts for optional connection to any commercial pushbutton

Areas of application

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

Technical data

Electrical data

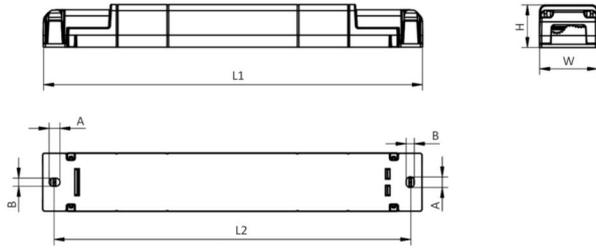
Nominal input voltage	12...48 V
Mains frequency	0 Hz
Input voltage DC	12...48 V
Nominal output voltage	12...48 V
U-OUT (working voltage)	48 V
Nominal output power	576 W ¹⁾
Galvanic isolation	Non isolated
Networked standby power	<0.50 W

1) 144 W @ 12 V

288 W @ 24 V

576 W @ 48 V

Dimensions & weight



Length	186.0 mm
Width	29.0 mm
Height	22.0 mm
Mounting hole spacing, length	175 mm
Cable cross-section, input side	0.2...1.5 mm ²
Cable cross-section, output side	0.2...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
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Temperatures & operating conditions

Ambient temperature range	-10...+60 °C
Maximum temperature at tc test point	75 °C ¹⁾
Max.housing temperature in case of fault	115 °C
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

Capabilities

Dimmable	Yes
Dimming range	0.8... 100 %
Dimming method	Pulse Width Modulation
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Push terminal
Number of channels	5
Overheating protection	Yes ¹⁾
Overload protection	Yes ¹⁾
Short-circuit protection	Yes
Intended for no-load operation	No

1) In combination with OPTOTRONIC power supply

Certificates & standards

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

Logistical data

Commodity code	85044095900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	11-07-2025
Primary Article Identifier	4062172382274 6937186115232
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		
Product Datasheet	PDF	▶ OT Wi DIM 5CH CA TDS 080724
User instruction	PDF	▶ OPTOTRONIC LED Power Supply OT Wi DIM 12 48 5CH CA

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172382274 OSRAM	OT Wi DIM 5CH CA	Shipping carton box 20 Pieces	351 x 222 x 68 mm	5.30 dm ³	92.05 g
6937186115232 INVENTRONICS	OT Wi DIM 5CH CA	Shipping carton box 20 Pieces	351 x 222 x 68 mm	5.30 dm ³	92.05 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.