

OTi DALI 210/220-240/24 1-4 CH

CV Power supplies with DALI



Product family features

- 1 to 4 DALI addressable channels
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- AstroDim functionality
- Dimming range: 0/0, 1...100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- High level surge protection: up to 6 kV (L-N), 8 kV (L/N-PE)
- Inrush current limiter circuit

Product family benefits

- Long lasting and high reliability
- From 1 to 4 channels to arbitrarily distribute the power
- Suitable for installation under sunlight
- IP66/IP67 Salt mist resistant and DC functionality
- AstroDim functionality for automatic dimming and turn on/off

Areas of application

- Public squares and architecture lighting
- Suitable for indoor and outdoor SELV installations
- Suitable for use in luminaires of protection class I

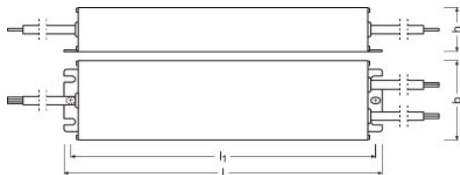
Technical data

Electrical data

Nominal output power	210 W ¹⁾
Maximum output power	210 W ²⁾
Mains frequency	50/60 Hz
Efficiency in full-load	93% ³⁾
Galvanic isolation primary/secondary	3 kV
Surge capability (L/N – SD)	8 kV
Nominal output voltage	24.7 V ⁴⁾
Input voltage DC	176...276 V ⁵⁾
Input voltage AC	198...264 V
Output PWM frequency	1k Hz
Output ripple Voltage (100 Hz)	< 5 %

- ¹⁾ Lamp failure detection: minimum load per channel that doesn't trigger open circuit detection is 30 W
- ²⁾ at steady state
- ³⁾ at 230 V, 50 Hz
- ⁴⁾ DC voltage
- ⁵⁾ with external fuse

Dimensions & weight



Mounting hole spacing, length	320.0 mm
Product weight	1415.00 g
Length	330.0 mm
Width	69.0 mm
Height	37.0 mm

Temperatures & operating conditions

Permitted rel. humidity during operation	5...85 % ¹⁾
--	------------------------

¹⁾ Maximum 56 days/year at 85 %

Capabilities

Suitable for fixtures with prot. class	I
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Intended for no-load operation	No
Dimming interface	DALI-2
Dimmable	Yes
Number of channels	4

Certificates & standards

Type of protection	IP66/IP67
Standards	Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61347-1/Acc. to EN 62493
Approval marks – approval	BIS / CCC / CE / EAC / ENEC 10 / RCM / VDE / VDE-EMC

Logistical data

Commodity code	850440829000
----------------	--------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022
Primary Article Identifier	4062172032087
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	bbfff661-3b2d-4f1a-9331-773c62c440db

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OTi DALI 210 1-4CH Technical Datasheet (EN)

Product datasheet

	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CB TEST CERTIFICATE DE1-62077
	Certificates OT ENEC 40050684 020522
	Certificates OTi DALI 210 CB DE1 63487 280420
	Certificates OTi DALI 210 1 4 CH IEC DE1 63487 A1 220920
	Certificates VDE ENEC Certificate 40043863
	Certificates OT EMC 40038482 220421
	Declarations of conformity EU Declaration of Conformity 2019 9C1 3772470 EN 00
	CAD data 3-dim 3D STEP file
	CAD data 3-dim OTi DALI 210 220-240 24 1-4 CH - 3D stp file

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172032087	OTi DALI 210/220-240/24 1-4 CH	Shipping carton box 6	380 mm x 262 mm x 201 mm	20.01 dm ³	9195.00 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.