

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

OPTOTRONIC | 24 V Constant voltage LED power supplies with DALI



Areas of application

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

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

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 datasheet

Technical data

Electrical data

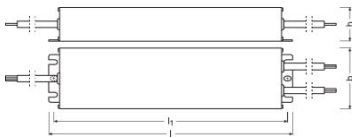
Nominal output power	210 W ¹⁾
Mains frequency	50/60 Hz
Power loss in stand-by mode	<0.5 W
Galvanic isolation primary/secondary	3 kV
Surge capability (L/N – SD)	8 kV
Nominal output voltage	24.7 V ²⁾
Input voltage DC	176...276 V ³⁾
Input voltage AC	198...264 V
Output PWM frequency	1k Hz
Output ripple Voltage (100 Hz)	< 5 %

¹⁾ Lamp failure detection: minimum load per channel that doesn't trigger open circuit detection is 30 W

²⁾ DC voltage

³⁾ 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
--	---

Product datasheet

Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Dimming interface	DALI
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
----------------	--------------

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Technical datasheet OTI DALI 210220-24024 1-4 CH (EN)
	Product Datasheet OTI DALI 210 1-4CH Technical Datasheet (EN)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CB TEST CERTIFICATE DE1-62077
	Certificates OT ENEC 40050684 090620
	Certificates OTi DALI 210 CB DE1 63487 280420
	Certificates VDE ENEC Certificate 40043863
	Certificates OT EMC 40038482 060720
	Declarations of conformity EU Declaration of Conformity 2019 9C1 3772470 EN 00
	CAD data 3-dim 3D STEP file

Product datasheet

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.