

PRODUCT DATASHEET

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

CV 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

TECHNICAL DATA

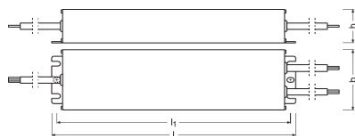
Electrical data

Nominal voltage	230...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor λ	> 0.95
ECG efficiency	93 %
Device power loss	18.4 W
Power loss in stand-by mode	<0.5 W
Inrush current	3.7 A
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	17
Surge capability (L/N-Ground)	8 kV
Surge capability (L-N)	6 kV
Nominal output voltage	24.7 V ¹⁾
U-OUT (working voltage)	24.7 V
Nominal output power	210 W ²⁾
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV

¹⁾ DC voltage

²⁾ Lamp failure detection: minimum load per channel that doesn't trigger open circuit detection is 30 W

Dimensions & weight



Length	330.0 mm
Width	69.0 mm
Height	37.0 mm
Mounting hole spacing, length	320.0 mm

Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.5 mm ²
Product weight	1415.00 g
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm

Colors & materials

Casing material	Aluminium
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Temperatures & operating conditions

Ambient temperature range	-20...+60 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	-
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Capabilities

Dimmable	Yes
Dimming interface	DALI
Dimming range	0...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Suitable for fixtures with prot. class	I
Type of connection, output side	Wires











Certificates & standards

Approval marks – approval	BIS / CCC / CE / EAC / ENEC 10 / RCM / VDE / VDE-EMC
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
Protection class	I
Type of protection	IP66/IP67

Logistical data

Temperature range at storage	-40...+85 °C
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DOWNLOAD DATA

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OTi DALI 210 1-4CH Technical Datasheet (EN)
	Product Datasheet Technical datasheet OTi DALI 210220-24024 1-4 CH (EN)
	Certificates OTi DALI 210 CB DE1 63487 280420
	Certificates VDE ENEC Certificate 40043863
	Certificates VDE EMC Certificate 40038482
	Certificates OT outdoor ENEC 40050684 100220
	Certificates CB TEST CERTIFICATE DE1-62077
	Declarations of conformity EU Declaration of Conformity 2019 9C1 3772470 EN 00
	CAD data 3-dim 3D STEP file

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4062172032087	Folding carton box 1	361 mm x 81 mm x 84 mm	1415.00 g	2.46 dm ³
4062172032094	Shipping carton box 6	380 mm x 262 mm x 201 mm	9213.00 g	20.01 dm ³

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.