

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

CV PROTECTED Power supplies with DALI



### Areas of application

- Public squares and architecture lighting
- In building facades, luminous signage
- 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 1 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

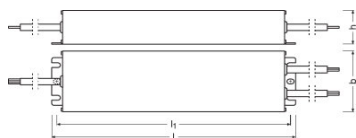
Nominal input voltage	230...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor $\lambda$	> 0.95
ECG efficiency	93 %
Device power loss	18.4 W
Power loss in stand-by mode	<0.5 W
Inrush current	3.7 A
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 10 A (C)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 16 A (C)	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 <sup>1)</sup>
U-OUT (working voltage)	24.7 V
Nominal output power	210 W <sup>2)</sup>
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV
Input voltage DC	176...276 V <sup>3)</sup>
Output PWM frequency	1k Hz
Output ripple Voltage (100 Hz)	< 5 %

<sup>1)</sup> DC voltage

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

<sup>3)</sup> with external fuse

## Dimensions & weight



Mounting hole spacing, length	320.0 mm
Product weight	1415.00 g
Cable cross-section, input side	1.0 mm <sup>2</sup>
Cable cross-section, output side	1.5 mm <sup>2</sup>
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Mounting hole spacing, width	320.0 mm
Length	330.0 mm
Width	69.0 mm
Height	37.0 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
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

## Lifespan

ECG lifetime	50000 h
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## Additional product data

Encapsulated	-
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## Product datasheet

### 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, input side	Wires
Type of connection, output side	Wires
Number of channels	4







### 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





Commodity code	850440829000
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### Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Technical datasheet OTi DALI 210220-24024 1-4 CH (EN)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CB TEST CERTIFICATE DE1-62077
	Certificates OT ENEC 40050684 060520
	Certificates OTi DALI 210 CB DE1 63487 280420

## Product datasheet

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	Certificates VDE ENEC Certificate 40043863
	Certificates VDE EMC Certificate 40038482
	Declarations of conformity EU Declaration of Conformity 2019 9C1 3772470 EN 00
	CAD data 3-dim 3D STEP file

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## 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 <sup>3</sup>	9195.00 g

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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.