

OTi DALI 160/220...240/24 TW

CV Power supplies with DALI



Areas of application

- Cove lighting, wall washer, corridor, handrail
- Suitable for use in luminaires of protection class I and II

Product family benefits

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- Minimized flicker thanks to high PWM frequency
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Available as Tunable White version (DALI Device Type 8)
- DALI message detection "LED Module failure"
- IP rating: IP20

Product family features

- Dimmable via Touch DIM (if supported)
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- Dimming range: 0...100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz

Product datasheet

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor λ	0.99
ECG efficiency	93 %
Device power loss	11 W
Power loss in stand-by mode	0.36 W
Inrush current	69 A
Max. ECG no. on circuit breaker 10 A (B)	5
Max. ECG no. on circuit breaker 16 A (B)	8
Max. ECG no. on circuit breaker 25 A (B)	13
Surge capability (L-N)	1 kV
Nominal output voltage	24 V ¹⁾
U-OUT (working voltage)	24.2 V
Nominal output power	160 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV
Input voltage DC	176...276 V

¹⁾ DC voltage

Dimensions & weight



Mounting hole spacing, length	258.0 mm
Product weight	380.00 g
Cable cross-section, input side	0.5...2.5 mm ²
Cable cross-section, output side	0.5...2.5 mm ²

Product datasheet

Wire preparation length, input side	6.0 mm
Wire preparation length, output side	6.0 mm
Mounting hole spacing, width	-
Length	300.0 mm
Width	50.0 mm
Height	35.0 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	120 °C
Temperature range at storage	-25...85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ $T_c = 90^\circ\text{C} - 0.2\% / 1,000 \text{ h failure rate}$

Additional product data

Encapsulated	No
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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 / II
Type of connection, output side	Screw terminal
Number of channels	2

Certificates & standards

Product datasheet

Approval marks – approval	EL / CCC / EAC / CE / ENEC 10 / VDE / EMC
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386
Protection class	II
Type of protection	IP20












Logistical data

Commodity code	850440829000
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Equipment / Accessories

– Suitable for 24 V LED modules

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Product Datasheet OTI DALI 160220-24024 TW
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates VDE ENEC Certificate 40043863
	Certificates VDE EMC Certificate 40038482
	Certificates VDE ENEC Certificate 40043863 appendix
	Certificates CB Test Certificate DE1-59703
	Certificates Certificate NSW27729.1 OTI DALI 160_24
	Certificates CCC Certificate 2018171002002183
	Declarations of conformity 3584656 EU Declaration of Conformity (EN)
	CAD data 3-dim OTI DALI 160220-24024

Logistical Data

Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899986312	OTi DALI 160/220...240/24 TW	Shipping carton box 20	335 mm x 268 mm x 167 mm	14.99 dm ³	7918.00 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.