

OTi DALI 80/220...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 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 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

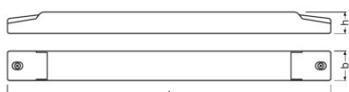
Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor λ	0.98
ECG efficiency	93 %
Device power loss	6.0 W
Power loss in stand-by mode	0.36 W
Inrush current	48 A
Max. ECG no. on circuit breaker 10 A (B)	6
Max. ECG no. on circuit breaker 16 A (B)	10
Max. ECG no. on circuit breaker 25 A (B)	16
Surge capability (L-N)	1 kV
Nominal output voltage	24 V ¹⁾
U-OUT (working voltage)	24.2 V
Nominal output power	80 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV

¹⁾ DC voltage

Dimensions & weight



Length	346.0 mm
Width	32.0 mm
Height	22.0 mm
Mounting hole spacing, length	300.6 mm
Product weight	191.00 g

Product datasheet

Cable cross-section, input side	0.75...2.5 mm ²
Cable cross-section, output side	0.2...1.5 mm ²
Wire preparation length, input side	5.0 mm
Wire preparation length, output side	5.0 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	85 °C
Max.housing temperature in case of fault	115 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ T_c = 85°C, 0.2% / 1,000 h failure rate

Additional product data

Encapsulated	Yes
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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

Approval marks – approval	CE / ENEC 10 / VDE / VDE-EMC / RCM / EAC / CCC / BIS
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

Product datasheet

Protection class	II
Type of protection	IP20

Logistical data

Temperature range at storage	-40...85 °C
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Equipment / Accessories

- Suitable for 24 V LED modules

Download Data

File
 Product Datasheet Datasheet OTI DALI 5080 24 TW
 Brochures 730792_Light is universal - Easy installation of efficient complete systems (DE)
 Brochures 730791_Light is universal - Easy installation of efficient complete systems (EN)
 Certificates VDE Certificate 40043863
 Certificates VDE Certificate 40038482
 Certificates CB Certificate
 Certificates CCC certificate 2017011002969504
 Certificates Certificate of Approval NSW27729
 Certificates VDE Certificate 40043863 appendix
 Declarations of conformity 729793_EC OTI DALI 50,8024
 CAD data 3-dim CAD data OTI DALI 5080

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899490758	OTi DALI 80/220...240/24 TW	Shipping carton box 20	370 mm x 170 mm x 113 mm	7.11 dm ³	4034.00 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.

Product datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.