OSRAM

OTi DALI 100/220...240/750 D NFC L

OPTOTRONIC Intelligent | – Dimmable DALI (non-isolated)

Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I

Product family benefits

- Fully programmable via software (DALI Interface)
- Flexible current setting (LEDset2)
- Lifetime: up to 100,000 h (temperature at T_C = 65 °C, max. 10 % failure rate)
- High-quality dimming of 1...100 % by amplitude dimming (except 80 W versions)
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Very low standby power consumption: < 0.25 W
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product datasheet

Versatile scope of application due to OSRAM DALI Technology:

- Easy to use in corridors and restrooms because of three-level Corridor function
- Touch DIM application: easy to control via pushbutton or sensor
- Energy efficient Touch DIM operation due to automatic switch-off at sufficient residual light
- Suitable for emergency Installations (acc. to EN 60598-2-22 and IEC 61347-2-13, appendix J) thanks to DC detection (0 Hz, pulsating DC), on/off switchable
- Feedback of power consumption and operating hours (Fit for SMART GRID)
- Suitable for buildings according to EPBD/BREEAM/LEED due to automatic Constant Lumen Output setting
- Luminaire information for easy maintenance

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile DALI window driver up to 90 W due to flexible output characteristic
- Supply voltage: 220...240 V
- Available with output current range: up to 1,050 mA
- Constant Lumen Output (CLO)
- Integrated customizable thermal management (Driver Guard)
- DALI-2 certified (Part -101,-102 and -207)

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Product datasheet

Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	DALI / NFC
Total harmonic distortion	< 10 %
Power factor λ	> 0.95
ECG efficiency	up to 94 %
Device power loss	10 W
Power loss in stand-by mode	<0.15 W
Inrush current	≤ 36 A
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	21
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	54...260 V
U-OUT (working voltage)	54...250 V
Nominal output current	100...750 mA
Default output current	100 mA
Output current tolerance	±3 %
Output ripple current (100 Hz)	< 1 %
Nominal output power	100 W
Galvanic isolation	Non isolated

Dimensions & weight

Mounting hole spacing, length	270.0 mm
Product weight	203.00 g
Cable cross-section, input side	0.5...1.5 mm²
Cable cross-section, output side	0.5...1.5 mm²
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm
Length	280.0 mm
Width	30.0 mm

Product datasheet

Height	21.0 mm

Colors & materials

Casing material	Metal

Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	100000 h

Additional product data

Encapsulated	No

Capabilities

Programming interface	DALI, NFC
Dimmable	Yes
Dimming interface	DALI
Dimming range	1...100 %
Dimming method	Analog/AM/PWM dimming
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Automatic reversible
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Control interface	DALI
Number of channels	1

Programming

Tuner4TRONIC	Yes

Product datasheet

Tuner4TRONIC Field App	Yes
Programming device	DALI magic / FEIG

Certificates & standards

Approval marks – approval	CE / ENEC / EAC / CCC / BIS / RCM
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Type of protection	IP20

Logistical data

Commodity code	850440829000

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply
	Declarations of conformity OTi DALI D NFC L CE 4162887 180520

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172125116	OTi DALI 100/220...240/750 D NFC L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm³	4312.00 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.