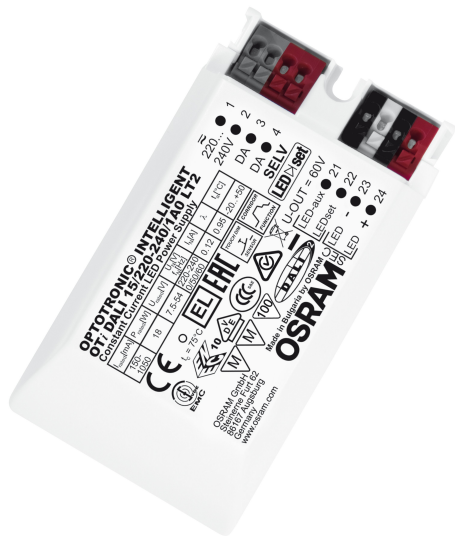


PRODUCT DATASHEET

OTi DALI 15/220...240/1A0 LT2

OPTOTRONIC® Intelligent – DALI LT2 | Compact constant current LED drivers



Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II
- Suitable for downlights, spotlights and LED panels
- Installation via Cable Clamp Kit possible (depending on version of product)

Product benefits

- Versatile DALI window driver due to flexible output characteristic
- Very high efficiency
- Protection of the system thanks to thermal management and Smart Control
- High-quality dimming of 1...100 % by amplitude dimming

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

Product features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-3, 61347-2-13, 62384
- RI suppression: to EN 55015/CISPR 15
- Line harmonics according to EN 61000-3-2

- Immunity according to EN 61547
- Lifetime: up to 100,000 h
- Type of protection: IP20
- Independent connection via through-looping (except OTi DALI 15)

TECHNICAL DATA

Electrical data

| | |
|--|-----------------------------|
| Nominal wattage | 18.00 W |
| Nominal output power | 18 W ¹⁾ |
| Nominal voltage | 220...240 V |
| Nominal output voltage | 7,5...54 V ²⁾ |
| Input voltage AC | 198...264 V ³⁾ |
| Input voltage DC | 176...276 V |
| U-OUT (working voltage) | 60 V |
| Nominal current | 0.12 A |
| Nominal output current | 150...1050 mA ⁴⁾ |
| Inrush current | 5 A |
| Output current tolerance | ±3 % |
| Output ripple current (100 Hz) | < 2 % ⁵⁾ |
| Mains frequency | 50/60 Hz |
| Total harmonic distortion | < 10 % ⁶⁾ |
| Power factor λ | 0.95 |
| ECG efficiency | 88 % ⁷⁾ |
| Device power loss | 2,4 W |
| Max. ECG no. on circuit breaker 10 A (B) | 82 |
| Max. ECG no. on circuit breaker 16 A (B) | 130 |
| Max. ECG no. on circuit breaker 25 A (B) | - |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Galvanic isolation | SELV |
| Power loss in stand-by mode | ≤0,27 W |

1) Partial load 3...18 W

2) Maximum 60 V

3) Permitted voltage range

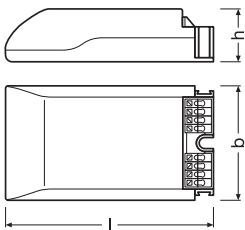
4) ±5%

5) Ripple average at 100 Hz %

6) At full load, 220...240 V, 50 Hz / see graphs

7) Typical / At full load and 230 V

Dimensions & Weight



| | |
|--------------------------------------|------------------------------|
| Length | 95.00 mm |
| Width | 53.00 mm |
| Height | 30.00 mm |
| Cable cross-section, input side | 0.2...1.5 mm ² 1) |
| Cable cross-section, output side | 0.2...1.5 mm ² 1) |
| Wire preparation length, input side | 8.0...9.0 mm |
| Wire preparation length, output side | 8.0...9.0 mm |
| Product weight | 100.00 g |

1) Solid or flexible leads

Colors & materials

| | |
|-----------------|---------|
| Product color | White |
| Casing material | Plastic |
| Body material | Plastic |

Temperatures & operating conditions

| | |
|--|--------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 75 °C 1) |
| Max.housing temperature in case of fault | 100 °C |
| Permitted rel. humidity during operation | 5...85 % 2) |

1) Maximum at the Tc-point

2) Maximum 56 days/year at 85 %

Lifespan

| | |
|--------------|-----------------------|
| ECG lifetime | 50000 h / 100000 h 1) |
|--------------|-----------------------|

1) T_c = 75°C, 0.2% / 1,000 h failure rate / T_c = 65°C, 0.1% / 1,000 h failure rate

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|--|-------------------------------------|
| Dimmable | Yes |
| Dimming interface | DALI / Touch DIM / Touch DIM Sensor |
| Dimming range | 1...100 % ¹⁾ |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| No-load proof | Yes |
| Short-circuit protection | Automatic reversible |
| Max. cable length to lamp/LED module | 2,0 m |
| Suitable for fixtures with prot. class | I / II |
| Suitable for emergency lighting | Yes |
| Type of connection, output side | Push terminal |

¹⁾ For maximum nominal output current


Certificates & Standards

| | |
|---------------------------|---|
| Approval marks – approval | ENEC 10 / VDE / EMC / EL / CE |
| Standards | Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 62384 |
| Protection class | II |
| Type of protection | IP20 |




LOGISTICAL DATA








| | |
|------------------------------|-------------|
| Temperature range at storage | -25...85 °C |
|------------------------------|-------------|

Accessories Optional

| Product image | Product name | EAN |
|--|------------------------|---------------|
|  | OT CABLE CLAMP F-STYLE | 4052899325555 |

DOWNLOAD DATA

| Documents and certificates | Document name |
|---|---------------------------------------|
|  User instruction / safety instructions | OPTOTRONIC LED Power Supply |
|  Declarations of conformity | EU Declaration of Conformity 3365628 |
|  Certificates | OTI DALI 15 LT2 INOTEC AM34566 210720 |

| Documents and certificates | | Document name |
|--|-----------------|--|
|  | Certificates | 730563_VDE Certificate |
|  | Certificates | 664763_CB-Certificate-OTi DALI 15 |
|  | Certificates | OTi DALI 15 LT2 EATON AM34566 210720 |
|  | Certificates | INOTEC-Conformity declaration AB32361 OTi DALI 15/220-240/1A0 LT2 |
|  | Certificates | EATON(CEAG)-Conformity declaration AB32361 OTi DALI 15/220-240/1A0 LT2 |
|  | Certificates | VDE ENEC Certificate 40038447 |
| CAD/BIM files | | Document name |
|  | CAD data 3D PDF | 673589_OT Cable Clamp F Style CADPDF 61119 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4052899324879 | Unpacked 1 | | 100.00 g | |
| 4052899324886 | Shipping box 20 | 284 mm x 207 mm x 90 mm | 2270.00 g | 5.29 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.