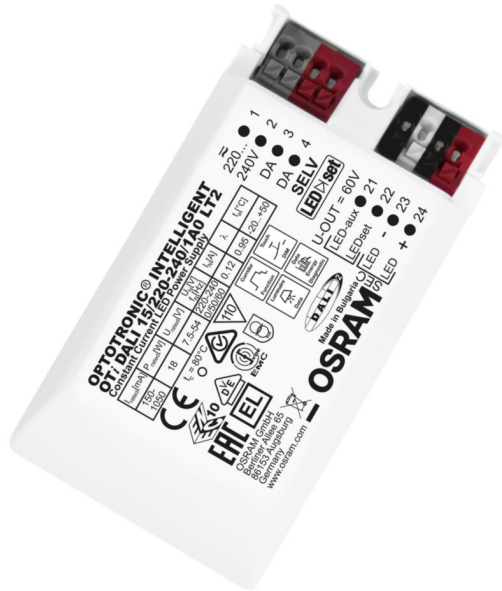


## OTi DALI 15/220-240/1A0 LT2

OPTOTRONIC Intelligent – DALI LT2 | Compact constant current LED driver – Dimmable



### Product family 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)

### Product family 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



### 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)
- 

### 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

## Technical data

### Electrical data

Device power loss	2.4 W
Nominal output voltage	7.5...54 V <sup>1)</sup>
Input voltage DC	176...276 V
Nominal output current	150...1050 mA <sup>2)</sup>
Inrush current	5 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	82
Max. ECG no. on circuit breaker 16 A (B)	130
Nominal output power	18 W <sup>4)</sup>
Input voltage AC	198...264 V <sup>5)</sup>
Power factor $\lambda$	0.45C...0.95
U-OUT (working voltage)	60 V
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Mains frequency	0/50/60 Hz
Protective conductor current	not relevant
Nominal input voltage	220...240 V
Total harmonic distortion	< 10 % <sup>6)</sup>
Output current tolerance	$\pm 3$ %
Maximum output power	18 W
Output ripple current (100 Hz)	< 2 % <sup>7)</sup>
Current set	DALI / LEDset2
Networked standby power	$\leq 0.27$ W <sup>8)</sup>

1) Maximum 60 V

2)  $\pm 5\%$

3)  $t_{\text{width}} = 220 \mu\text{s}$  (measured at 50 %  $I_{\text{peak}}$ )

4) Partial load 3...18 W

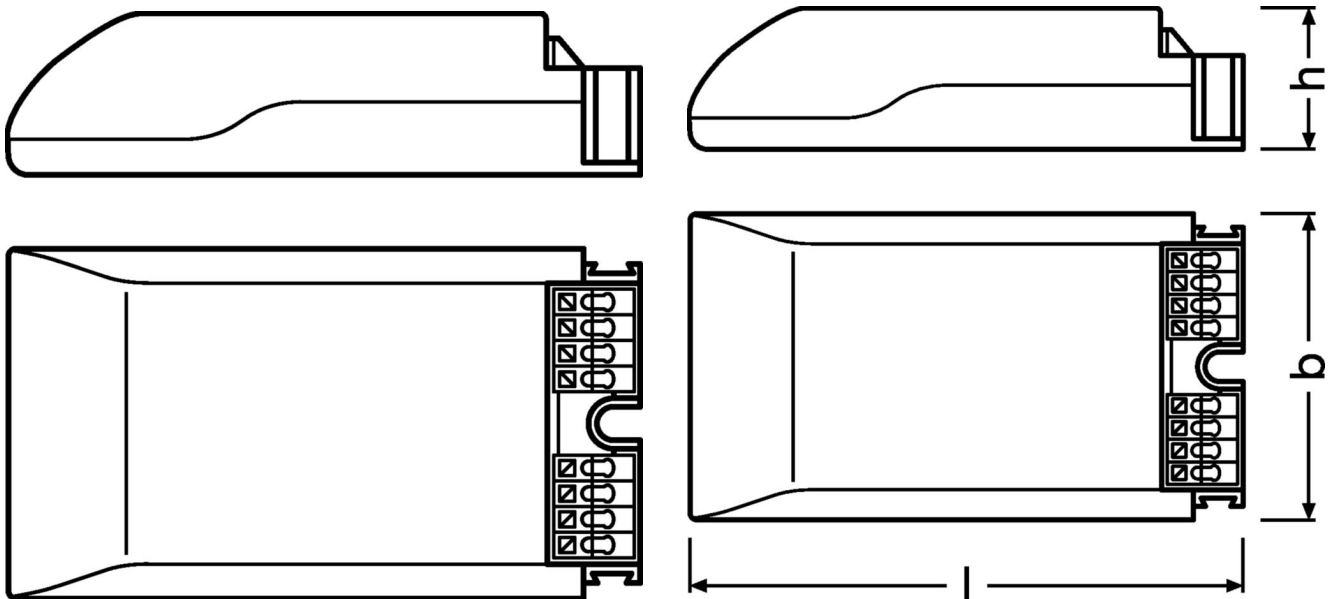
5) Permitted voltage range

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

7) Ripple average at 100 Hz

8) at 230 V, 50 Hz

## Dimensions & weight



Product weight	100.00 g
Mounting hole spacing, width	not relevant mm
Mounting hole spacing, length	not relevant mm
Wire preparation length, output side	8.0...9.0 mm
Wire preparation length, input side	8.0...9.0 mm
Cable/wire length, output side	2000 mm
Cable cross-section, output side	0.2... 1.5 mm <sup>2 1)</sup>
Cable cross-section, input side	0.2... 1.5 mm <sup>2 1)</sup>
Length	95.0 mm
Height	30.0 mm

1) Solid or flexible leads

## Colors & materials

Product color	White
Casing material	Plastic

## Temperatures & operating conditions

Max.housing temperature in case of fault	100 °C
Maximum temperature at tc test point	80 °C <sup>1)</sup>
Ambient temperature range	-20...+50 °C
Temperature range at storage	-25...85 °C
Permitted rel. humidity during operation	5...85 % <sup>2)</sup>

1) Maximum at the Tc-point

2) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	50000 h / 100000 h <sup>1)</sup>
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1)  $T_c = 75^\circ\text{C}$ , 0.2% / 1,000 h failure rate /  $T_c = 65^\circ\text{C}$ , 0.1% / 1,000 h failure rate

## Additional product data

<b>Predecessor EAN</b>	4052899324879
<b>Successor EAN</b>	4062172143912

## Capabilities

<b>Max. cable length to lamp/LED module</b>	2.0 m <sup>1)</sup>
<b>Dimming range</b>	1...100 %
<b>Dimming method</b>	Amplitude Modulation
<b>Dimming interface</b>	DALI-2 / Touch DIM / Touch DIM Sensor
<b>Suitable for through-wiring</b>	No
<b>Suitable for emergency lighting</b>	Yes
<b>Short-circuit protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Overheating protection</b>	Automatic reversible
<b>Dimmable</b>	Yes
<b>Suitable for fixtures with prot. class</b>	I / II
<b>No-load proof</b>	Yes
<b>Type of connection, output side</b>	Push terminal
<b>Constant lumen function</b>	Programmable
<b>Programming interface</b>	DALI, LEDset

1) Output wires must be routed as close as possible to each other

## Programmable features

<b>Tuning Factor</b>	No
<b>Driver Guard</b>	No
<b>DALI Settings</b>	Yes
<b>Emergency Mode</b>	Yes
<b>DALI-2 Luminaire Data</b>	Yes <sup>1)</sup>
<b>Configuration Lock</b>	No
<b>Soft Switch Off</b>	Yes
<b>Dim to Dark</b>	No
<b>TouchDIM + Sensor</b>	Yes
<b>Corridor Functionality</b>	Yes

1) Acc. DALI part 251

## Certificates & standards

<b>Standards</b>	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
<b>Approval marks – approval</b>	ENEC 10 / VDE / EMC / EL / CE
<b>Type of protection</b>	IP20

## Logistical data

<b>Commodity code</b>	850440829000
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## Download Data

File		
Certificates	PDF	▶ OTI DALI 15 LT2 EATON AM34566 210720
Certificates	PDF	▶ OTI DALI 15 LT2 INOTEC AM34566 210720
Certificates	PDF	▶ OT ENEC 40038447 270224
CAD data	Compressed	▶ 660729_OTi DALI 15 LT2 IGS 61119
CAD data	PDF	▶ 660730_OTi DALI 15 LT2 CADPDF 61119
CAD data	Compressed	▶ 660731_OTi DALI 15 LT2 STEP 61119
CAD data	Compressed	▶ 673587_OT Cable Clamp F Style IGS 61119
CAD data	Compressed	▶ 673588_OT Cable Clamp F Style STEP 61119
CAD data PDF	PDF	▶ 673589_OT Cable Clamp F Style CADPDF 61119
Mandatory Publications	PDF	▶ OTi DALI LT2 UK DoC 4281294 02 200923
Mandatory Publications	PDF	▶ OTi DALI LT2 CE 3365628 14 200923
User instruction	PDF	▶ OPTOTRONIC LED Power Supply

## Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899324879	OTi DALI 15/220-240/1A0 LT2	Shipping carton box 20 Pieces	284 x 207 x 96 mm	5.64 dm <sup>3</sup>	2270.00 g
4062172143912	OTi DALI 15/220-240/1A0 LT2	Shipping carton box 20 Pieces	284 x 207 x 96 mm	5.64 dm <sup>3</sup>	270.00 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

## Data privacy

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on [www.myosram.com](http://www.myosram.com) and downloading the Tuner4TRONIC software from the Internet. The Tuner4TRONIC software enables users to access and view the operational data of a luminaire or driver via the corresponding programming interfaces. A password key (Config Lock) must be set up in the driver via the Tuner4TRONIC software in order to control which users can access and view operational data. Follow the instructions for password setup. To grant an external person or company rights to access or view operational data, you can assign password keys. In this case, however, you are responsible for ensuring that the third party concerned takes notice of the information described here.

However, OSRAM can read out operating data from devices for maintenance and service purposes even when a password key has been assigned. In individual cases, OSRAM will also use its access rights in order to optimize or improve driver hardware and driver functions. In accordance with data privacy principles, any user of operating data (luminaire manufacturers, third parties with access rights) must ensure that personal data (e.g. name, address, location IDs) are only merged with the prior written consent of the person (end user) concerned. The respective user of the operating data is responsible for providing evidence of consent.

## Accessories Optional

Product description	Accessory name	Accessory code
OTi DALI 15/220-240/1A0 LT2	OT CABLE CLAMP F-STYLE	▶ 4052899325555

## Disclaimer

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