

## OTi DALI 35/220...240/1A0 LT2

OPTOTRONIC Intelligent | – Dimmable DALI



### Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
- Suitable for indoor SELV equivalent installations
- Suitable for luminaires of protection classes I and II
- Installation and independent mounting via Cable Clamp Kit possible

### Product benefits

- Versatile DALI window driver due to flexible output characteristic
- Very high efficiency and reliability
- Protection of the system thanks to thermal management and Smart Control

### 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 according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2

## Product datasheet

- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ °C}$ , max. 10 % failure rate)
- LED protection by Hot Plug

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Input voltage DC	176...276 V
Power factor $\lambda$	0.95
ECG efficiency	86 % <sup>2)</sup>
Power loss in stand-by mode	<0.5 W
Inrush current	17 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	33
Max. ECG no. on circuit breaker 16 A (B)	55
Surge capability (L-N)	1 kV
Nominal output voltage	15...54 V <sup>4)</sup>
U-OUT (working voltage)	60 V
Nominal output current	350...1050 mA <sup>5)</sup>
Output current tolerance	±5 %
Nominal output power	35 W <sup>6)</sup>
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV <sup>7)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Typical / At full load and 230 V

<sup>3)</sup>  $t_{width} = 50 \mu s$  (measured at 50 %  $I_{peak}$ )

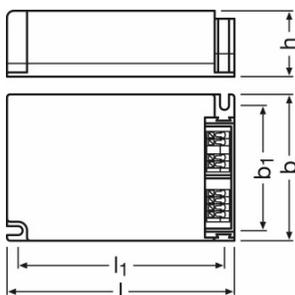
<sup>4)</sup> Maximum 60 V

<sup>5)</sup> ±5%

<sup>6)</sup> Partial load 15...35 W

<sup>7)</sup> SELV-equivalent

Dimensions & weight



## Product datasheet

Length	103.0 mm
Width	67.0 mm
Height	29.5 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Product weight	149.00 g
Cable cross-section, input side	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm

<sup>1)</sup> Solid or flexible leads

### Colors & materials

Casing material	Plastic
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### Temperatures

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C <sup>1)</sup>
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25...85 °C

<sup>1)</sup> Maximum at the T<sub>c</sub>-point

### Lifespan

ECG lifetime	50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> / 10 % failure rate

### Additional product data

Encapsulated	No
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### Capabilities

Dimmable	Yes
Dimming interface	DALI / Touch DIM / Touch DIM Sensor
Dimming range	1...100 % <sup>1)</sup>
Constant lumen function	Programmable
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m

## Product datasheet

<b>Suitable for fixtures with prot. class</b>	I / II
<b>Type of connection, output side</b>	Push terminal

<sup>1)</sup> For maximum nominal output current

### Certificates & standards

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

### Logistical data

<b>Temperature range at storage</b>	-25...85 °C
<b>Relative humidity</b>	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Download Data

File
 Product Datasheet Datasheet_OTi DALI 35220-2401A0 LT2
 Brochures OPTOTRONIC Compact LED drivers (GB)
 CAD data 3-dim CAD OTi DALI 351A0 LT2 OTi DALI 25700 LT2
 CAD data 3-dim IGS - CAD OTi DALI 351A0 LT2 OTi DALI 25700 LT2
 CAD data PDF CAD OTi DALI 351A0 LT2 OTi DALI 25700 LT2

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899919440	OTi DALI 35/220...240/1A0 LT2	Shipping carton box 20	357 mm x 222 mm x 96 mm	7.61 dm <sup>3</sup>	3202.00 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.