

OTi DALI 25/220...240/700 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 output power	27 W ¹⁾
Input voltage AC	198...264 V ²⁾
Mains frequency	50...60 Hz
Nominal output voltage	12...54 V ³⁾
Nominal output current	180...700 mA ⁴⁾
Power loss in stand-by mode	<0.5 W
Nominal voltage	220...240 V
Nominal current	0.14 A
Power factor λ	0.95
ECG efficiency	86 % ⁵⁾
Inrush current	17 A ⁶⁾
Max. ECG no. on circuit breaker 10 A (B)	45
Max. ECG no. on circuit breaker 16 A (B)	80
Galvanic isolation primary/secondary	3.75 kV ⁷⁾
Surge capability (L-N)	1 kV

¹⁾ Partial load 7...27 W

²⁾ Permitted voltage range

³⁾ Maximum 60 V

⁴⁾ $\pm 5\%$

⁵⁾ Typical / At full load and 230 V

⁶⁾ $t_{\text{width}} = 50 \mu\text{s}$ (measured at 50 % I_{peak})

⁷⁾ SELV-equivalent

Dimensions & weight

Length	103.0 mm
Width	67.0 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Height	29.5 mm
Product weight	149.00 g
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

¹⁾ Solid or flexible leads

Colors & materials

Casing material	Plastic
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Product datasheet

Temperatures

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

¹⁾ Maximum at the T_c-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum T_c / 10 % failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming range	1...100 % ¹⁾
Suitable for fixtures with prot. class	I / II
Dimming interface	DALI / Touch DIM / Touch DIM Sensor
Constant lumen function	Programmable
NTC input	No
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

¹⁾ For maximum nominal output current

Certificates & standards

Type of protection	IP20
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
Approval marks – approval	ENEC 10 / VDE / EMC / EL / CE






Logistical data

Relative humidity	5...85 % ¹⁾
Temperature range at storage	-25...85 °C

¹⁾ Maximum 56 days/year at 85 %

Product datasheet

Download Data

File	
	Product Datasheet Datasheet_OTi DALI 25220-240700 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
4052899919457	OTi DALI 25/220...240/700 LT2	Shipping carton box 20	357 mm x 222 mm x 96 mm	7.61 dm ³	3237.00 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.