

OPTOTRONIC Intelligent

– Dimmable DALI



Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for central battery systems according to EN 50172
- Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
- Suitable for use in emergency lighting systems (with DC detection, DC capable)
- Suitable for indoor SELV and non-SELV installations
- Suitable for luminaires of protection class I

Product benefits

- Versatile DALI window driver up to 90 W 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 DALI (GII) Ideology:

- 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 thanks to DC detection (0 Hz, pulsating DC), on/off switchable
- Fit for SMART GRID for feedback of power consumption and operating hours
- Suitable for buildings according to EPBD/EnEV 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
- Module operation according to EN 60929
- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)

Technical data

Electrical data

Product description	Output power	Input voltage	Mains frequency	Output voltage
OTi DALI 90/220...240/1A0 LT2 L	90 W	198...264 V	50...60 Hz	54...240 V

Product description	Output current	Power loss in stand-by mode	Nominal voltage	Nominal current
OTi DALI 90/220...240/1A0 LT2 L	250...1050 mA	<0.3 W	220...240 V	1.10 A

Product description	Device power loss	Power factor λ
OTi DALI 90/220...240/1A0 LT2 L	7.5 W	0.95

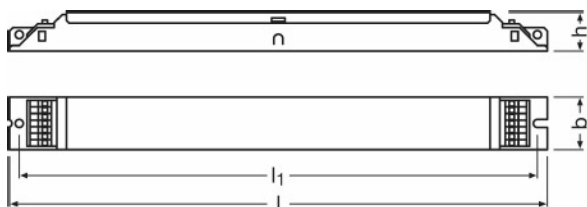
Dimensions & weight

Product description	Length	Width	Height	Product weight
OTi DALI 90/220...240/1A0 LT2 L	280.0 mm	30.0 mm	21.0 mm	205.00 g

Product description	Cable cross-section, input side	Cable cross-section, output side
OTi DALI 90/220...240/1A0 LT2 L	0.5...1.5 mm ²	0.5...1.5 mm ²

Produkt Strichzeichnungen (vermasst)

Product family datasheet



Product line drawing
OTi DALI 90/220...240/1A0 LT2 L

Colors & materials

Product description	Casing material
OTi DALI 90/220...240/1A0 LT2 L	Metal

Temperatures

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault
OTi DALI 90/220...240/1A0 LT2 L	-25...+50 °C	75 °C	110 °C

Lifespan

Product description	ECG lifetime
OTi DALI 90/220...240/1A0 LT2 L	50000 h

Additional product data

Product family datasheet

Product description	Encapsulated	New article
OTi DALI 90/220...240/1A0 LT2 L	No	NEW

Capabilities

Product description	Dimmable	Dimming range	Suitable for fixtures with prot. class	Dimming interface
OTi DALI 90/220...240/1A0 LT2 L	Yes	1...100 %	I	DALI / LEDset / Touch DIM

Product description	Constant Lumen Function	NTC input	Overheating protection	Overload protection
OTi DALI 90/220...240/1A0 LT2 L	Programmable	No	Automatic reversible	Automatic reversible

Product description	Short-circuit protection	No-load proof
OTi DALI 90/220...240/1A0 LT2 L	Automatic reversible	Yes

Certificates & standards

Product description	Type of protection	Standards	Approval marks – approval
OTi DALI 90/220...240/1A0 LT2 L	IP20	acc. to EN 55015; EN 55022; acc. to EN 61547; acc. to IEC 61000-3-2/EN 61000-3-2/acc. to EN 61347-1/acc. to EN 61347-2-13/acc. to EN 61347-2-3/acc. to EN 62384/acc. to EN 60929/acc. to EN 60598	ENEC 10 / VDE / EMC / EL / CE

Application advice

For more detailed application information and graphics please see product datasheet.










Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
Product Datasheet

Product family datasheet

	OTi DALI 90220-240V1A0 LT2 L
	Certificates CB Test Certificate OTi DALI 90220-2401A0 LT2 L
	Certificates VDE Certificate OTi DALI 90220-2401A0 LT2 L
	Declarations of conformity Declaration of Conformity OTi DALI 90220-2401A0 LT2 L
	Declarations of conformity ENEC Approval OTi DALI 90220-2401A0 LT2 L
	CAD data CAD File OTi DALI 90220-2401A0 LT2 L
	CAD data CAD Daten OTi DALI 90220-2401A0 LT2 L
	CAD data CAD Daten OTi DALI 90220-2401A0 LT2 L
	CAD data PDF CAD File OTi DALI 90220-2401A0 LT2 L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321867568	OTi DALI 90/220...240/1A0 LT2 L	Shipping carton box 20	- x - x -		

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.