

## OTi DALI 75/220...240/700 D LT2 UF L

OPTOTRONIC Intelligent Ultraflat | – Dimmable DALI



### Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I

### Product family benefits

- Ultra-flat housing (11 mm height) for innovative luminaire designs and applications
- LEDset interface for direct Ultraflat sensor connection (LS/PD LT2 LI UF sensor)
- Fully programmable via software (DALI Interface, NFC)
- Lifetime: up to 100,000 h (temperature at  $T_C = 65\text{ }^\circ\text{C}$ , max. 10 % failure rate)
- High-quality dimming of 1...100 % by amplitude dimming
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

### 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
- Luminaire information for easy maintenance

### Product family features

## Product datasheet

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile DALI window driver up to 75 W due to flexible output characteristic
- Supply voltage: 220...240 V
- Available with output current range: up to 700 mA
- Direct Ultraflat sensor connection via LEDset (LS/PD LT2 LI UF Sensor)
- Use with Ultraflat DALI sensor (LS/PD DALI LI UF Sensor)
- Constant Lumen Output (CLO)
- Non-isolated drivers
- DALI-2 certified (Part -101,-102 and -207)

### Technical data

#### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Input voltage DC	176...276 V
Current set	DALI / NFC / LEDset / Programmable
Total harmonic distortion	< 10 %
Power factor $\lambda$	> 0.98
ECG efficiency	$\leq 93$ %
Device power loss	7.0 W
Power loss in stand-by mode	<0.25 W
Protective conductor current	<0.5 mA
Inrush current	20 A
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	20
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	54...240 V
U-OUT (working voltage)	< 250 V
Nominal output current	150...700 mA <sup>2)</sup>
Output current tolerance	$\pm 3$ %
Output ripple current (100 Hz)	< 1 %
Nominal output power	9.7...75 W
Galvanic isolation	Non isolated

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

<sup>2)</sup>  $\pm 5\%$

## Dimensions & weight



Mounting hole spacing, length	350.0 mm
Product weight	180.00 g
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>
Wire preparation length, input side	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm
Length	360.0 mm
Width	30.0 mm
Height	11.0 mm

## Colors & materials

Casing material	Metal
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## Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

## Lifespan

ECG lifetime	50000 / 100000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate / At T<sub>c</sub> = 65°C / 10% failure rate

## Additional product data

Encapsulated	No
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## Capabilities

## Product datasheet

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

### Programmable features

<b>Operating Current</b>	Yes
<b>Tuning Factor</b>	Yes
<b>Constant Lumen</b>	Yes
<b>Lamp Operating Time</b>	Yes
<b>Thermal Protection</b>	No
<b>Driver Guard</b>	Yes
<b>DALI Settings</b>	Yes
<b>Emergency Mode</b>	Yes
<b>Luminaire Info</b>	No
<b>Configuration Lock</b>	No
<b>Soft Switch Off</b>	Yes
<b>Dim to Dark</b>	Yes
<b>TouchDIM + Sensor</b>	Yes
<b>Corridor Functionality</b>	Yes
<b>OEM Key</b>	Yes

### Certificates & standards







<b>Approval marks – approval</b>	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
<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/Acc. to EN 62386
<b>Type of protection</b>	IP20

## Product datasheet

### Logistical data

Temperature range at storage	-25...85 °C
Commodity code	850440829000

### Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet 724087_Product Data Sheet OTi DALI UF 35_75
	Certificates VDE ENEC Certificate 40038085
	Certificates VDE EMC Certificate 40044675 (EN)
	Declarations of conformity EU Declaration of Conformity 3379564
	CAD data CAD data OTI DALID LT2 UFL

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899957046	OTi DALI 75/220...240/700 D LT2 UF L	Shipping carton box 20	385 mm x 160 mm x 66 mm	4.07 dm <sup>3</sup>	3717.00 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.