

## OTi DALI 75/220...240/1A4 NFC TW L

OPTOTRONIC Intelligent Tunable White – DALI (SELV) | Linear constant current LED driver – Dimmable



### Product family features

- 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
- Usable as DT6 (2-channel) or DT8 (Tunable White) driver
- Available with output current range: up to 1,400 mA
- Constant Lumen Output (CLO)
- Integrated customizable thermal management (Driver Guard)
- SELV driver

### Product family benefits

- Control of standard white or Tunable White light acc. DALI device type 8 (DT8)
- TouchDIM Tunable White integrated for use without additional LMS
- Fully programmable via T4T software (NFC, DALI Interface)
- 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 % (amplitude and/or PWM selectable by software)
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



## Product datasheet

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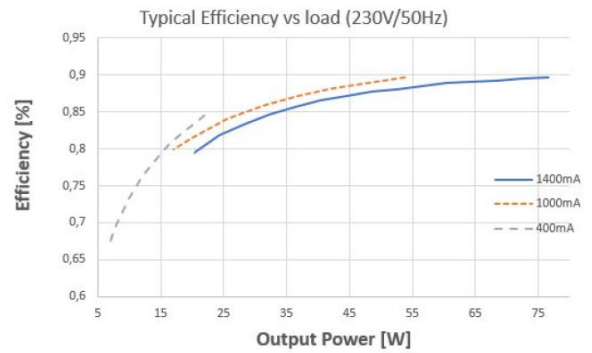
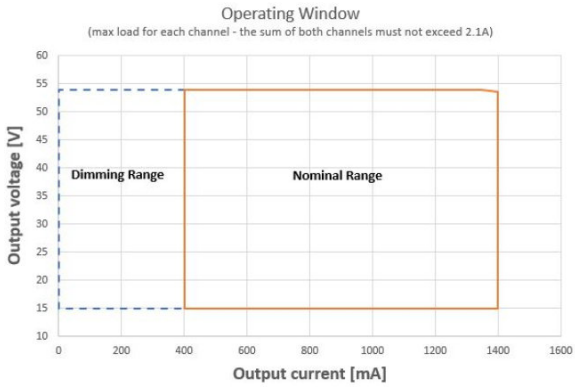
### Areas of application

- For Tunable White as well as for 2-channel use (e.g. direct/indirect lighting)
- 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 installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I
- Perfect system match with PrevaLED Linear Tunable White

## Technical data

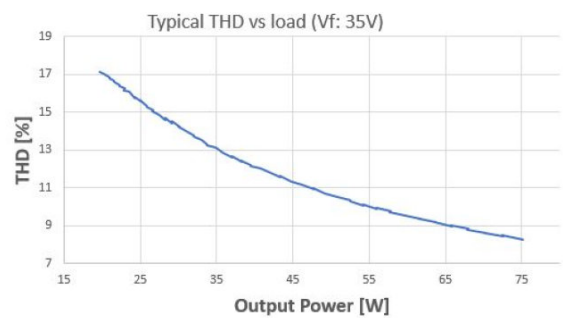
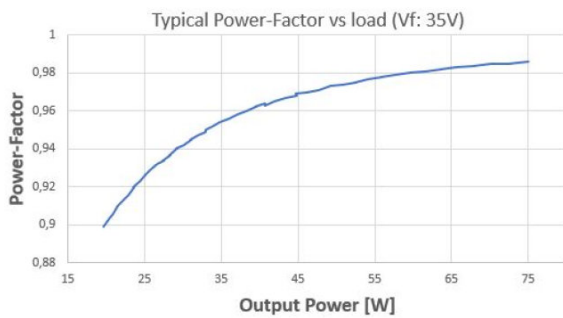
### Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Current set	DALI / NFC / Programmable
Total harmonic distortion	< 10 %
Power factor $\lambda$	> 0.95
ECG efficiency	up to 90 %
Device power loss	6.0 W
Power loss in stand-by mode	<0.2 W
Inrush current	23 A
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	20
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	15...54 V
U-OUT (working voltage)	< 60 V
Nominal output current	400...1400 mA
Default output current	400 mA
Output current tolerance	$\pm 3$ %
Output ripple current (100 Hz)	< 1 %
Output PSTLM	$\leq 1$
Output SVM	$\leq 0.4$
Nominal output power	8.0...75 W
Galvanic isolation	SELV



OTI DALI 75 NFC TW L Operating Window

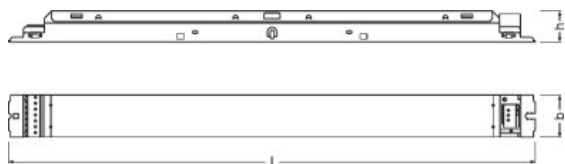
OTI DALI 75 NFC TW L Typical Efficiency vs. Load (230 V 50 Hz)



OTI DALI 75 NFC TW L Typical Power Factor vs. Load

OTI DALI 75 NFC TW L Typical THD Vs Load

## Dimensions & weight



Mounting hole spacing, length	350.0 mm
Product weight	300.00 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
Height	21.0 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
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

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

## Lifespan

ECG lifetime	50000 / 100000 h
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## Additional product data

Encapsulated	No
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## Capabilities

Programming interface	DALI, NFC
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## Product datasheet

<b>Dimmable</b>	Yes
<b>Dimming interface</b>	DALI-2 / Touch DIM / Touch DIM Sensor
<b>Dimming range</b>	1...100 %
<b>Dimming method</b>	Full analogue dimming / AM/PWM selectable
<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, input side</b>	Push terminal
<b>Type of connection, output side</b>	Push terminal
<b>Constant lumen function</b>	Programmable
<b>Control interface</b>	DALI
<b>Detection angle (Light sensor)</b>	-
<b>Detection angle (PIR)</b>	-
<b>Number of channels</b>	2

### Programming

<b>Tuner4TRONIC</b>	Yes
<b>Tuner4TRONIC Field App</b>	Yes
<b>Programming device</b>	DALI magic / NFC Scanner

### Programmable features

<b>Operating Current</b>	Yes
<b>Constant Lumen</b>	Yes
<b>Lamp Operating Time</b>	Yes
<b>Driver Guard</b>	Yes
<b>DALI Settings</b>	Yes
<b>Emergency Mode</b>	Yes
<b>Soft Switch Off</b>	Yes
<b>Dim to Dark</b>	Yes
<b>TouchDIM + Sensor</b>	Yes
<b>Corridor Functionality</b>	Yes
<b>Tunable White CCT</b>	Yes
<b>Tunable White High precision</b>	Yes

### Certificates & standards













## Product datasheet

<b>Approval marks – approval</b>	CE / EL / VDE-ENEC / EAC / CCC / RCM / BIS
<b>Standards</b>	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
<b>Type of protection</b>	IP20

### Logistical data

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

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OTI DALI NFC TW L DS 230920 (EN)
	Certificates OTI DALI 75 NFC TW L EATON AM32493 220620
	Certificates OTI DALI 75 NFC TW L INOTEC AM32493 220620
	Certificates OT ENEC 40038447 210721
	Certificates OT EMC 40044675 010321
	Declarations of conformity OTi DALI NFC TW L CE 4222044 040221
	Declarations of conformity OTI DALI NFC TW L UK DoC 4281073 040221
	CAD data OTI DALI NFC TW L IGS 020320
	CAD data OTI DALI NFC TW L STEP 020320
	CAD Data 2-dim OTI DALI NFC TW L CAD2PDF 020320
	CAD data 3-dim OTI DALI NFC TW L CAD3PDF 020320

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

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### Logistical Data

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4062172092982	OTi DALI 75/220...240/1A4 NFC TW L	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm <sup>3</sup>	6171.00 g
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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.

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### Disclaimer

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