

## OTi DALI 250/220-240/24 4CH DT6/8 *(NEW)*

Optotronic Intelligent - 24 V DALI



**NO IMAGE  
AVAILABLE**

### Product family features

- Dimmable via Touch DIM
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- Dimming range: 0.1...100 % (for 50-80-160-250W) or 1...100 % (for 30W)
- Line frequency: 0 Hz | 50 Hz | 60 Hz

### Product family benefits

- Intelligent power matching thanks to Smart power supply
- Form factor for mounting on the cove or in luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- DALI message detection "LED Module failure"
- IP rating: IP20

## Areas of application

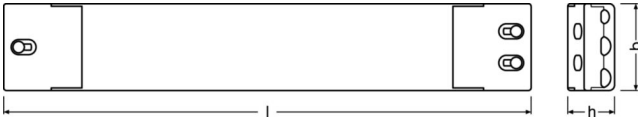
- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Total harmonic distortion	< 5 %
Power factor $\lambda$	0.92C...0.99
Efficiency in full-load	95 %
Device power loss	13 W
Inrush current	98 A
Max. ECG no. on circuit breaker 10 A (B)	4
Max. ECG no. on circuit breaker 16 A (B)	6
Surge capability (L-N)	1 kV
Nominal output voltage	24.2 V
U-OUT (working voltage)	24.2 V
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	250 W
Maximum output power	250 W
Galvanic isolation	SELV
Galvanic isolation DALI/mains	Basic
Galvanic isolation DALI/output	Double
Networked standby power	<0.25 W

## Dimensions & weight



<b>Length</b>	300.0 mm
<b>Width</b>	50.0 mm
<b>Height</b>	37.0 mm
<b>Mounting hole spacing, length</b>	258.0 mm
<b>Cable cross-section, input side</b>	0.5...2.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...2.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	6.0 mm
<b>Wire preparation length, output side</b>	6.0 mm
<b>Product weight</b>	665.00 g

## Colors & materials

<b>Casing material</b>	Plastic
<b>Product color</b>	White

## Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+45 °C
<b>Maximum temperature at tc test point</b>	80 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Temperature range at storage</b>	-40...85 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

## Lifespan

ECG lifetime	50000 h
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## Additional product data

Encapsulated	No
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## Capabilities

Programming interface	DALI - 2
Dimmable	Yes
Dimming interface	DALI-2
Dimming range	0.1...100 %
Dimming method	Pulse Width Modulation
DALI-2 Diagnostic Data	Yes
DALI-2 Energy Data	Yes
Max. cable length to lamp/LED module	50 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	Yes
EL DC detection selectable	Yes
EL EOFi – default value	0.15
Type of connection, input side	Screw terminal
Type of connection, output side	Screw terminal
Suitable for through-wiring	No
Number of channels	4
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No
No-load proof	Yes

## Programming

Tuner4TRONIC	Yes
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## Programmable features

DALI Settings	Yes
DALI-2 Luminaire Data	Yes
TouchDIM + Sensor	Yes
Corridor Functionality	Yes

## Certificates & standards

Approval marks – approval	BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC
Standards	EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 61000-3-2 / EN 62384 / EN 60598-2-22 / EN 62386 / EN 55015
Type of protection	IP20

## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	29-04-2026
Primary Article Identifier	6937186175984
Declaration No. in SCIP database	In work
SCIP_ID	

## Equipment / Accessories

- Suitable for 24 V LED modules

## Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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Download Data

File
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## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186175984 INVENTRONICS	OTi DALI 250/220-240/24 4CH DT6/8	Shipping carton box 20 Pieces	335 x 268 x 167 mm	14.99 dm <sup>3</sup>	684.74 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