

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OTi DALI 30/220-240/24 1CH

Optotronic Intelligent - 24 V DALI



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 50-80-160W) 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

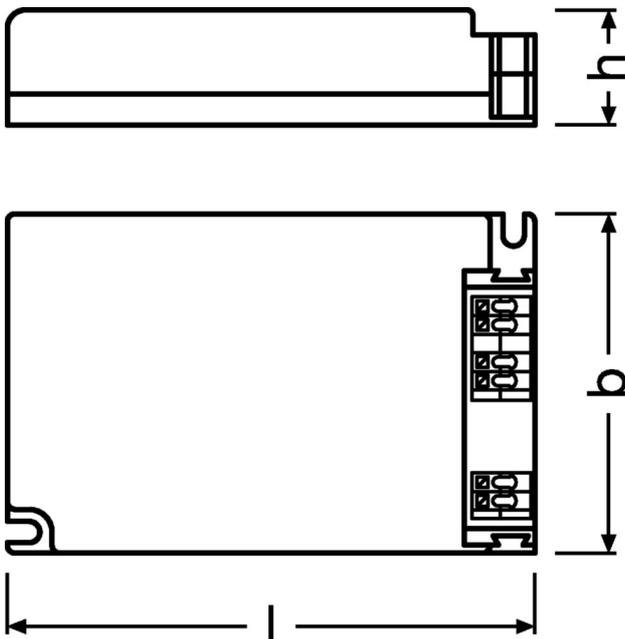
Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Total harmonic distortion	< 10 %
Power factor λ	0.32...0.95
Efficiency in full-load	> 88 % ¹⁾
Device power loss	4.5 W
Inrush current	40 A
Max. ECG no. on circuit breaker 10 A (B)	20
Max. ECG no. on circuit breaker 16 A (B)	31
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	24.2 V ²⁾
U-OUT (working voltage)	24.2 V
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	30 W
Maximum output power	30 W ³⁾
Galvanic isolation	SELV

1) at 230 V, 50 Hz

2) DC voltage

3) at steady state

Dimensions & weight



Length	103.0 mm
Width	67.0 mm
Height	29.5 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	7.0 mm
Wire preparation length, output side	7.0 mm
Product weight	155.00 g

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Capabilities

Programming interface	DALI
Dimmable	Yes
Dimming interface	DALI / DALI-2
Dimming range	1...100 %
Dimming method	Pulse Width Modulation
Max. cable length to lamp/LED module	3.0 m ¹⁾
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	Yes
Type of connection, input side	Plug-in connection
Type of connection, output side	Plug-in connection
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No
No-load proof	Yes

1) Output wires must be routed as close as possible to each other

Programming

Tuner4TRONIC	Yes
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Programmable features

DALI Settings	Yes
TouchDIM + Sensor	Yes
Corridor Functionality	Yes

Certificates & standards

Approval marks – approval	CE / CCC / BIS / ENEC / EL / ENEC 25 / RCM / UKCA
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

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	24-02-2026
Primary Article Identifier	4062172329767 6937186115119
Declaration No. in SCIP database	In work
SCIP_STATUS	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.

Download Data

File		
Product Datasheet	PDF	▶ OTi DALI 30 220 240 24 1CH TDS 20230110
Mandatory Publications	PDF	▶ OTi DALI 30 1CH CE 4459817 02 240125
Mandatory Publications	PDF	▶ OTi DALI 30 1CH UKDoC 4459818 260123
User instruction	PDF	▶ OTi DALI 30 24 1CH UI G15130930 040725

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186115119 INVENTRONICS	OTi DALI 30/220-240/24 1CH	Shipping carton box 30 Pieces	355 x 225 x 130 mm	10.38 dm ³	169.73 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

Accessories Optional

Product description	Accessory name	Accessory code
OTi DALI 30/220-240/24 1CH	OT CABLE CLAMP B-STYLE	▶ 4052899077881
OTi DALI 30/220-240/24 1CH	OT CABLE CLAMP B-STYLE	▶ 6977770432147

Disclaimer

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