

IT DALI 15/220-240/350 NFC

ICUTRONIC IT DALI NFC | Constant Current Compact – Dimmable



Product family features

- Output current range 150-1050 mA
- NFC Interface
- Amplitude dimming 10-100%
- Low stand-by consumption < 0.5 W
- Through-looping of mains and DALI
- New DiiA standards
- Low LF-ripple < 5%
- Lifetime: up to 50,000 h (temperature at max. t_c)

Product family benefits

- Super compact SELV DALI LED driver 42 W
- Fast programming / current set via NFC*
- Amplitude dimming 10...100%
- For independent installation

Areas of application

- Spot light and down light
- Offices
- Shops
- Hospitality

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 10 % ¹⁾
Power factor λ	0.98
Efficiency in full-load	84 % ²⁾
Networked standby power	<0.50 W ²⁾
Inrush current	20 A
Max. ECG no. on circuit breaker 10 A (B)	40
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	60
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	4 kV
Surge capability (L-N)	2 kV
U-OUT (working voltage)	< 60 V
Nominal output current	150...350 mA ³⁾
Output current tolerance	± 7.5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	2.7...14 W
Maximum output power	14 W
Galvanic isolation	basic

¹⁾ At full load

²⁾ at 230 V, 50 Hz

³⁾ ± 7.5 %

Dimensions & weight



Mounting hole spacing, length	88.0 mm
Product weight	85.00 g
Cable cross-section, input side	0.5...1.5 / 0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 / 0.75...1.5 mm ² ¹⁾
Length	97.0 mm
Width	43.0 mm
Height	29.5 mm

¹⁾ Build in/ Independent

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-20...85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Non-condensing

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ $T_c = 70^\circ\text{C}$, 0.2% / 1,000 h failure rate / $T_c = 60^\circ\text{C}$, 0.1% / 1,000 h failure rate

Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	7...100 %

Product datasheet

Dimming method	DALI
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Intended for no-load operation	No
Max. cable length to lamp/LED module	2.0 m ¹⁾
Suitable for fixtures with prot. class	I / II
Control interface	DALI-2
Number of channels	1

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

Programming

Programming device	NFC
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Certificates & standards

Approval marks – approval	CCC / CE / ENEC ¹⁾
Standards	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/Acc. to EN 55015/Acc. to IEC 62386/Acc. to CISPR 15
Protection class	II
Type of protection	IP20

¹⁾ In preparation

Logistical data






Commodity code	850440829000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	23-12-2021
Primary Article Identifier	4052899617131
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	6bfae08b-5c40-4f39-b898-3b889ed0e066

Product datasheet

Download Data

File	
	User instruction ICUTRONIC INTELLIGENT LED Power Supply
	Certificates OT FIT IT DALI NFC ENEC 35 113246 060420
	Certificates OT FIT IT DALI NFC RCM NSW27559 080421
	Declarations of conformity IT DALI NFC CE 4211504 190821
	Declarations of conformity IT DALI NFC UK DoC 4287093 100221

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617131	IT DALI 15/220-240/350 NFC	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm ³	1903.00 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.