ETi DALI 25/220-240/500 LT2 L

ICUTRONIC Intelligent – DALI (SELV) | Linear constant current LED driver – Dimmable

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 71.4 W
- Supply voltage: 220…240 V
- Available with output current range: up to 1,400 mA
- SELV driver

Product family benefits

- Versatile SELV DALI driver up to 75 W due to flexible output characteristic
- Fully programmable via software (DALI Interface)
- Flexible current setting (RSet)
- Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate)
- High-quality dimming of 10…100 % by amplitude dimming
- No TouchDIM nor Corridor Function
- High quality of light thanks to <3% output ripple current
- High efficiency
- Low standby consumption ≤ 0.5 W
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

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Areas of application

- Linear and area lighting
- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J, except those used in high-risk task areas, i.e. those systems must not be used in workplaces where operators and other occupants of the premises are involved in potentially dangerous processes or situations.
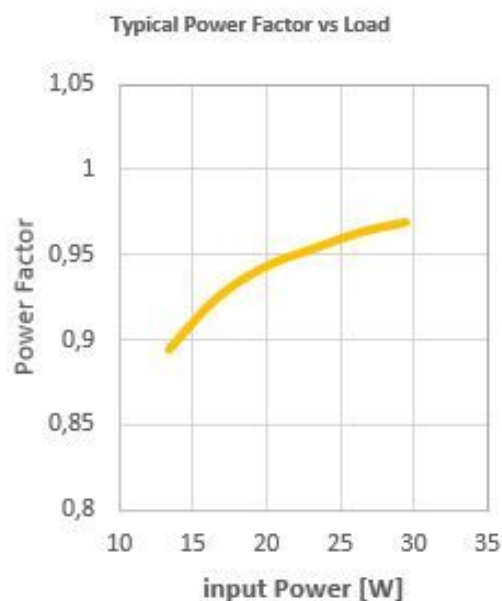- Suitable for luminaires of protection class I

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Technical data

Electrical data

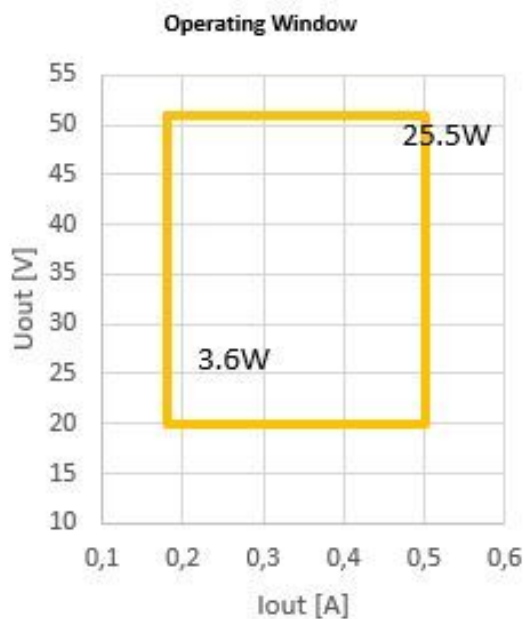|	
Max. ECG no. on circuit breaker 10 A (B)	30
Max. ECG no. on circuit breaker 16 A (B)	50
Maximum output power	25.5 W
Nominal output current	180...500 mA
Nominal output power	3.6…25.5 W
Nominal output voltage	20…51 V
Nominal input voltage	220…240 V
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Device power loss	3.0 W
Efficiency in full-load	86 % [1]
Inrush current	≤ 10 A
Networked standby power	<0.50 W [1]
Power factor λ	0.60C...0.95
Mains frequency	0/50/60 Hz
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
U-OUT (working voltage)	< 60 V
Current set	DALI / Rset / Programmable
Output current tolerance	±7 %
Output ripple current (100 Hz)	< 3 %
Total harmonic distortion	< 20 %
Default output current	180 mA

1) at 230 V, 50 Hz
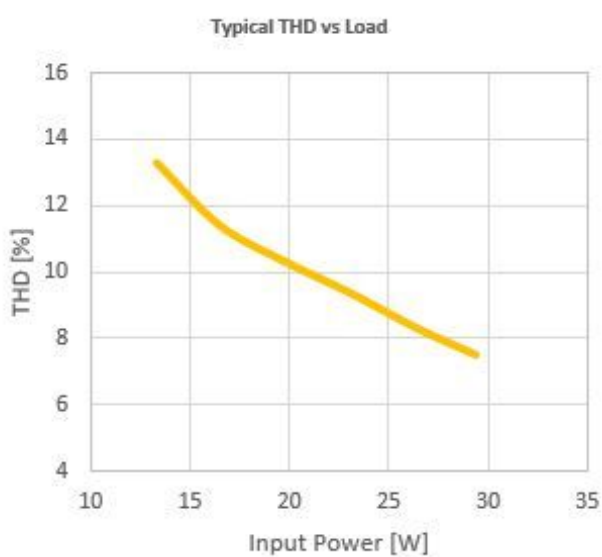
Typical Power Factor v Load

ETI DALI 25 LT2 L Typical Power Factor vs. Load
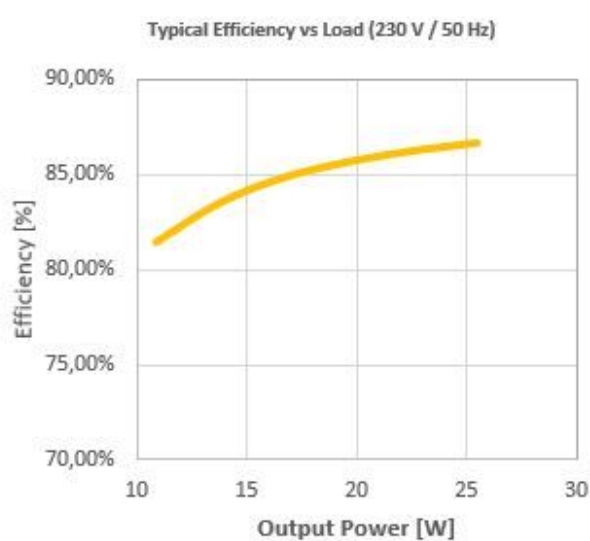
Operating Window

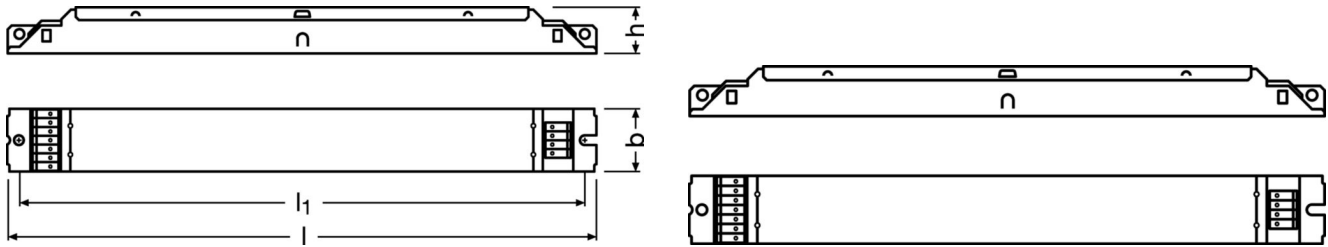ETI DALI 25 LT2 L Operating Window

Typical THD v Load

ETI DALI 25 LT2 L Typical THD Vs Load

Typical Efficiency v Load 230 V 50 Hz

ETI DALI 25 LT2 L Typical Efficiency vs. Load

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OSRAM

product - technical datasheet

Lifespan

ECG lifetime	100000 h / 50000 h [1]

1) At maximum T_c = 65°C / 10% failure rate / At maximum T_c = 75°C / 10% failure rate

Capabilities

Max. cable length to lamp/LED module	2.0 m [1]
Number of channels	1
Dimmable	Yes
Dimming interface	DALI-2
Dimming method	Full analogue dimming
Dimming range	10…100 %
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Suitable for emergency lighting	Yes [2]
Suitable for fixtures with prot. class	I
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Constant lumen function	Programmable
No-load proof	Yes
Programming interface	Rset

1) Output wires must be routed as close as possible to each other
2) except those used in high-risk task areas

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Programmable features

DALI Settings	Yes
DALI-2 Luminaire Data	No
Driver Guard	Yes
Emergency Mode	Yes

Certificates & standards

Type of protection	IP20
Standards	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to IEC 62386 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61547
Approval marks – approval	CE / ENEC 05 / EL / EAC / CCC / BIS / RCM

Logistical data

Commodity code	85044083900

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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.

Specifications are subject to changes without notice.

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Download Data

File		
Mandatory Publications	PDF	▶ ETI DALI LT2 L CE 4235855 05 040523
Mandatory Publications	PDF	▶ ETI DALI LT2 L UK DoC 4281066 040923
User instruction	PDF	▶ UI ETI DALI LT2 L

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OSRAM
product - technical datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172126212	ETi DALI 25/220-240/500 LT2 L	Shipping carton box 20 Pieces	303 x 159 x 105 mm	5.06 dm³	127.00 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.

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