

## 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 75 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  $T_c = 65\text{ }^\circ\text{C}$ , 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  $\leq 0.5\text{ W}$
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



## Product datasheet

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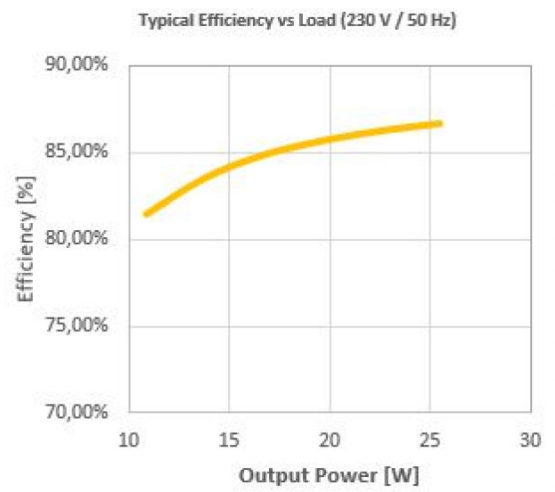
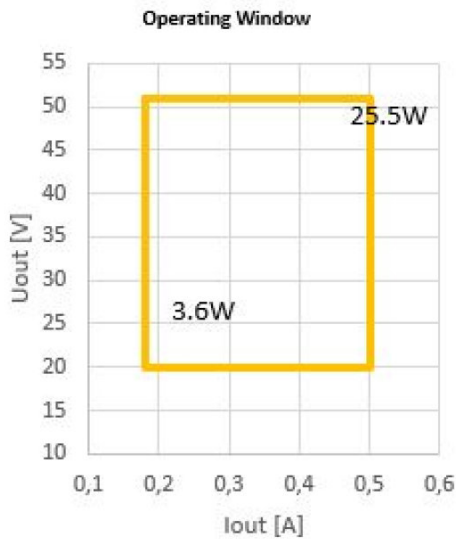
### Areas of application

- 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

## Technical data

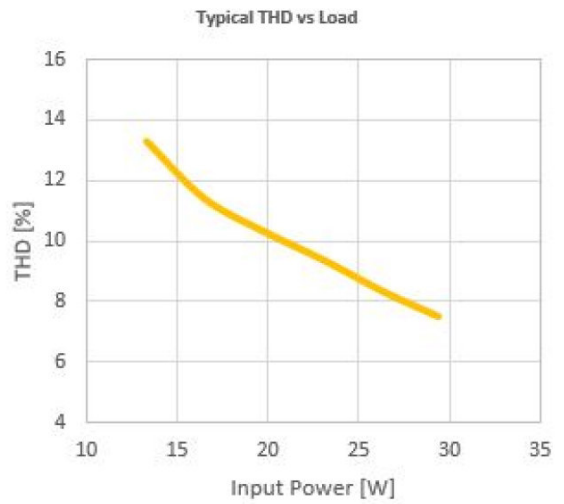
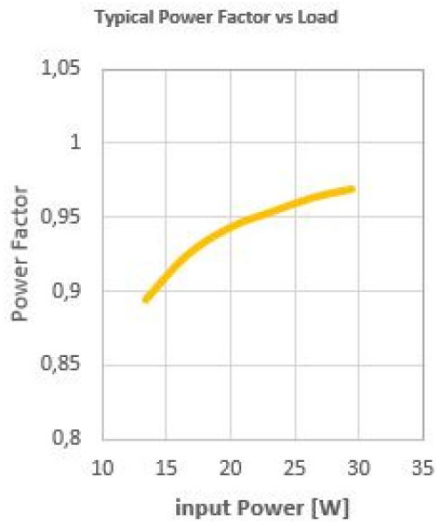
### Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Current set	DALI / Rset / Programmable
Total harmonic distortion	< 20 %
Power factor $\lambda$	> 0.95
ECG efficiency	up to 86 %
Device power loss	3.0 W
Power loss in stand-by mode	<0.5 W
Inrush current	$\leq 10$ A
Max. ECG no. on circuit breaker 10 A (B)	30
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	50
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	20...51 V
U-OUT (working voltage)	< 60 V
Nominal output current	180...500 mA
Default output current	180 mA
Output current tolerance	$\pm 7$ %
Output ripple current (100 Hz)	< 3 %
Output PSTLM	$\leq 1$
Output SVM	$\leq 0.4$
Nominal output power	3.6...25.5 W
Galvanic isolation	SELV



ETI DALI 25 LT2 L Operating Window

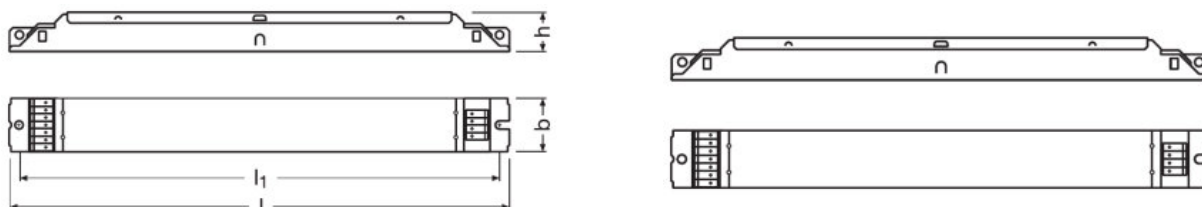
ETI DALI 25 LT2 L Typical Efficiency vs. Load



ETI DALI 25 LT2 L Typical Power Factor vs. Load

ETI DALI 25 LT2 L Typical THD Vs Load

## Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	170.00 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	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 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	100000 / 50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> = 65°C / 10% failure rate

## Capabilities

Programming interface	Rset
Dimmable	Yes
Dimming interface	DALI-2

## Product datasheet

Dimming range	10...100 %
Dimming method	Full analogue dimming
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Control interface	DALI
Number of channels	1

### Programming

Tuner4TRONIC Field App	Yes
Programming device	DALI magic





### Certificates & standards

Approval marks – approval	CE / ENEC 05 / EL / EAC / CCC / BIS / RCM
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
Type of protection	IP20

### Logistical data

Commodity code	850440829000
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### Download Data

File	
	User instruction ICUTRONIC INTELLIGENT LED Power Supply
	User instruction ICUTRONIC INTELLIGENT LED Power Supply
	Declarations of conformity ETI DALI LT2 L CE 4235855 190121
	Declarations of conformity ETI DALI LT2 L UK CE 4281066 210121

## Product datasheet

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### 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	303 mm x 159 mm x 105 mm	5.06 dm <sup>3</sup>	3527.00 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.