

ETi DALI 75/220...240/500 D LT2 L

ICUTRONIC Intelligent – DALI (non-isolated) | Linear constant current LED driver – Dimmable



Areas of application

- Linear and area lighting
- Industry lighting
- Suitable for luminaires of protection class I

Product family benefits

- Versatile non-isolated 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 $T_C = 65\text{ °C}$, max. 10 % failure rate)
- High-quality dimming of 10...100 % by amplitude dimming
- No TouchDIM nor Corridor Function
- High quality of light thanks to <4% output ripple current
- High efficiency
- Low standby power consumption: < 0.25 W
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



Product datasheet

Product family features

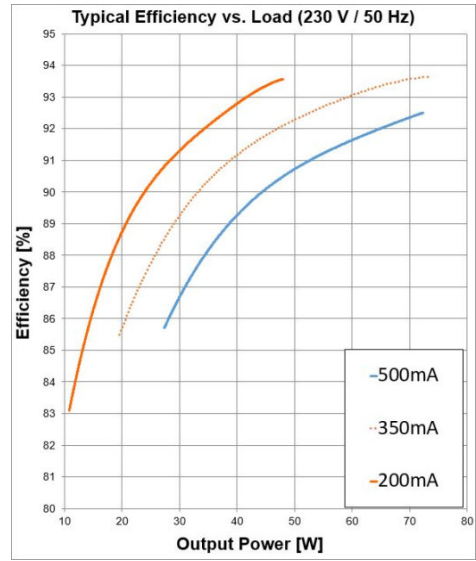
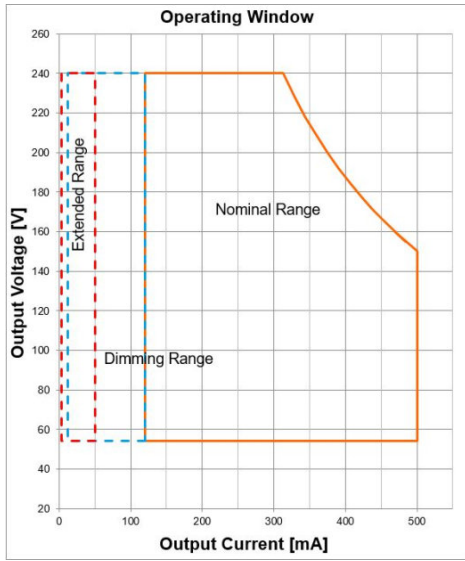
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220...240 V
- Available with output current range: up to 500 mA
- Non-isolated drivers

Technical data

Electrical data

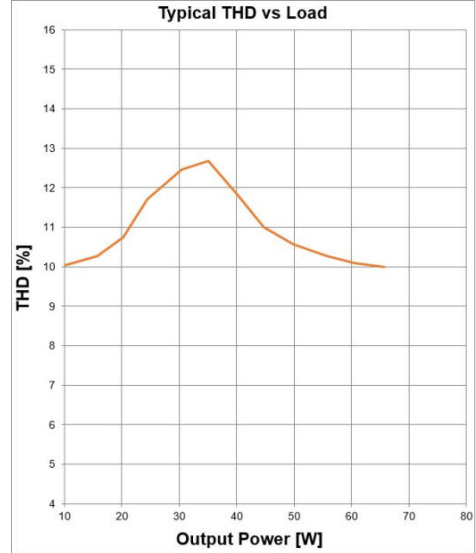
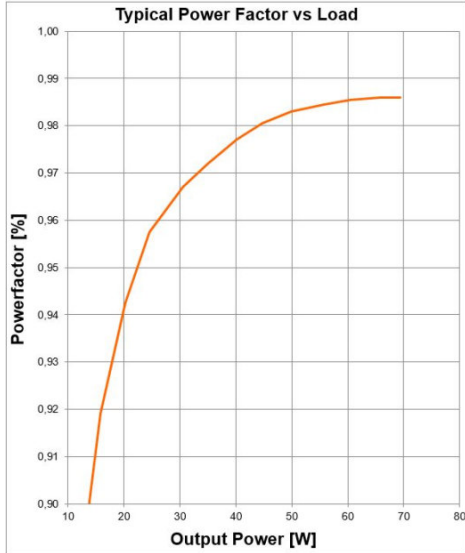
Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	Rset
Total harmonic distortion	< 10 %
Power factor λ	> 0.95
ECG efficiency	up to 94 %
Device power loss	6.0 W
Power loss in stand-by mode	<0.25 W
Inrush current	≤ 34 A
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	25
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	54...240 V
U-OUT (working voltage)	54...240 V
Nominal output current	125...500 mA
Output current LEDset open	60 mA
Output current LEDset shorted	125 mA
Default output current	60 mA ¹⁾
Output current tolerance	± 5 %
Output ripple current (100 Hz)	< 4 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	8.0...75 W
Galvanic isolation	Non isolated

¹⁾ LEDset deactivated



Operating Window

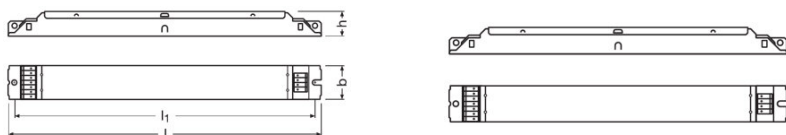
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	205.00 g
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	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm
Length	280.0 mm
Width	30.0 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 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	No
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Product datasheet

Capabilities

Programming interface	Rset
Dimmable	Yes
Dimming interface	DALI
Dimming range	10...100 %
Dimming method	Amplitude Modulation
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal
Number of channels	1

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	No
Programming device	DALI magic / FEIG



Certificates & standards

Approval marks – approval	CE / VDE-ENEC / EAC / CCC / BIS
Standards	Acc. to IEC 61347/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
 Certificates EATON(CEAG)-Conformity declaration AM28130 ETI DALI 75220-240500 D LT2 L
 Certificates INOTEC-Conformity declaration AM28130 ETI DALI 75220-240500 D LT2 L

Product datasheet

	Certificates OT ENEC 40038085 130720
	Declarations of conformity EU Declaration of Conformity 3971160
	CAD data ETI DALI D LT2 L IGS 270220
	CAD data ETI DALI D LT2 L STEP 270220
	CAD Data 2-dim ETI DALI D LT2 L CAD2PDF 270220
	CAD data 3-dim ETI DALI D LT2 L CAD3PDF 270220

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172053327	ETi DALI 75/220...240/500 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4277.00 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.