

ETi DALI 75/220...240/1A4 LT2 L

ICUTRONIC Intelligent | – Dimmable DALI (SELV)



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
- Suitable for luminaires of protection class I

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 <4% 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

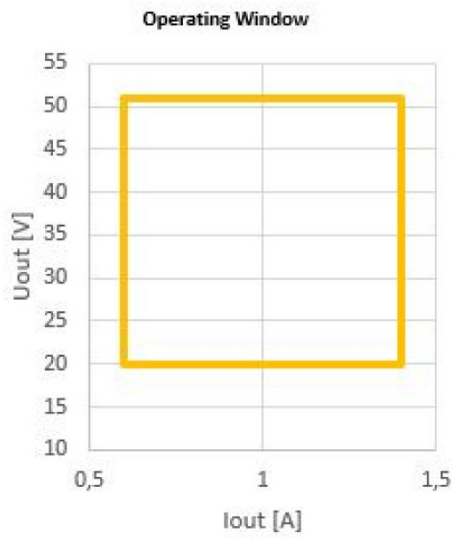
Product family features

- 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

Technical data

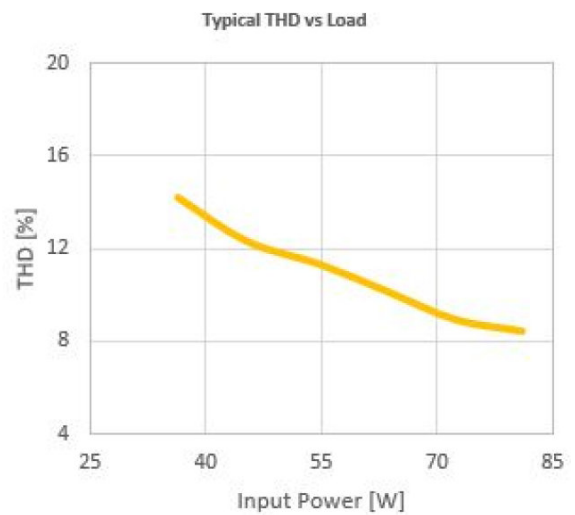
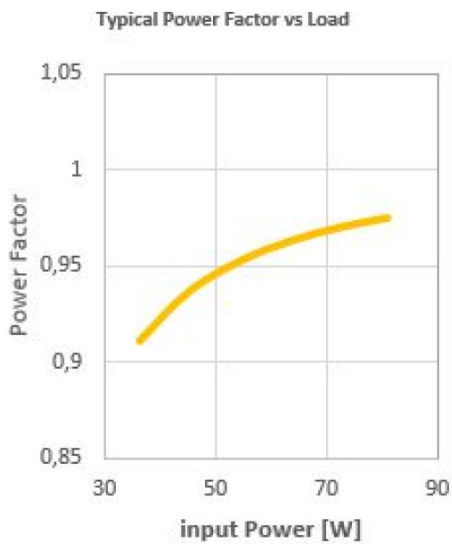
Electrical data

| | |
|--|---------------|
| 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 | DALI / NFC |
| Total harmonic distortion | < 20 % |
| Power factor λ | > 0.95 |
| ECG efficiency | up to 89 % |
| Device power loss | 7.0 W |
| Power loss in stand-by mode | <0.5 W |
| Inrush current | \leq 20 A |
| Max. ECG no. on circuit breaker 10 A (B) | 11 |
| Max. ECG no. on circuit breaker 10 A (C) | - |
| Max. ECG no. on circuit breaker 16 A (B) | 18 |
| 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 | 60 V |
| U-OUT (working voltage) | 20...51 V |
| Nominal output current | 600...1400 mA |
| Default output current | 600 mA |
| Output current tolerance | \pm 7 % |
| Output ripple current (100 Hz) | < 3 % |
| Output PSTLM | \leq 1 |
| Output SVM | \leq 0.4 |
| Nominal output power | 12.0...71.4 W |
| Galvanic isolation | SELV |



Operating Window

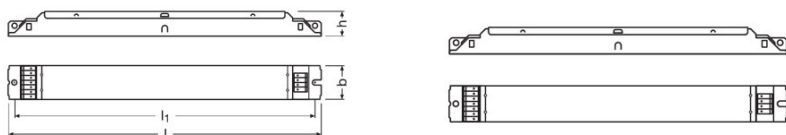
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

Dimensions & weight



| | |
|---|---------------------------|
| Mounting hole spacing, length | 270.0 mm |
| Product weight | 170.00 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 |
|------------------------|-------|

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 | 100000 h |
|---------------------|----------|

Additional product data

| | |
|---------------------|----|
| Encapsulated | No |
|---------------------|----|

Product datasheet

Capabilities

| | |
|--|----------------------|
| Programming interface | DALI, NFC |
| Dimmable | Yes |
| Dimming interface | DALI |
| Dimming range | 10...100 % |
| Dimming method | Analog |
| Overheating protection | Yes |
| 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 |
| Suitable for emergency lighting | Yes |
| Type of connection, input side | Push terminal |
| Type of connection, output side | Push terminal |
| Control interface | DALI |
| Number of channels | 1 |

Programming

| | |
|------------------------|-------------------|
| Tuner4TRONIC | Yes |
| Tuner4TRONIC Field App | Yes |
| Programming device | DALI magic / FEIG |


Certificates & standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / 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 |
|----------------|--------------|

Download Data

| File |
|--|
|  User instruction ICUTRONIC INTELLIGENT LED Power Supply |

Product datasheet

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172126250 | ETi DALI 75/220...240/1A4 LT2 L | Shipping carton box 20 | 305 mm x 161 mm x 104 mm | 5.11 dm ³ | 3652.00 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.