

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

## ETi DALI 75/220-240/1A4 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  $T_c = 65^\circ\text{C}$ , 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

### 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

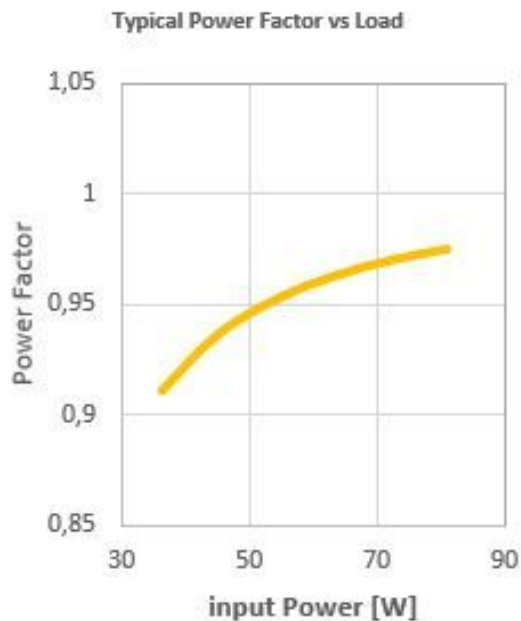
### Technical data

#### Electrical data

|  |                       |
|--|-----------------------|
| Nominal input voltage                    | 220...240 V           |
| Mains frequency                          | 0/50/60 Hz            |
| Input voltage AC                         | 198...264 V           |
| Input voltage DC                         | 176...276 V           |
| Total harmonic distortion                | < 20 %                |
| Power factor $\lambda$                   | 0.72C...0.98          |
| Efficiency in full-load                  | 89 % <sup>1)</sup>    |
| Device power loss                        | 7.0 W                 |
| Networked standby power                  | <0.50 W <sup>1)</sup> |
| Inrush current                           | $\leq 20$ A           |
| Max. ECG no. on circuit breaker 10 A (B) | 11                    |
| Max. ECG no. on circuit breaker 16 A (B) | 18                    |
| Surge capability (L-N)                   | 1 kV                  |
| Surge capability (L/N-Ground)            | 2 kV                  |
| Nominal output voltage                   | 20...51 V             |
| U-OUT (working voltage)                  | < 60 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         |
| Maximum output power                     | 71.4 W                |

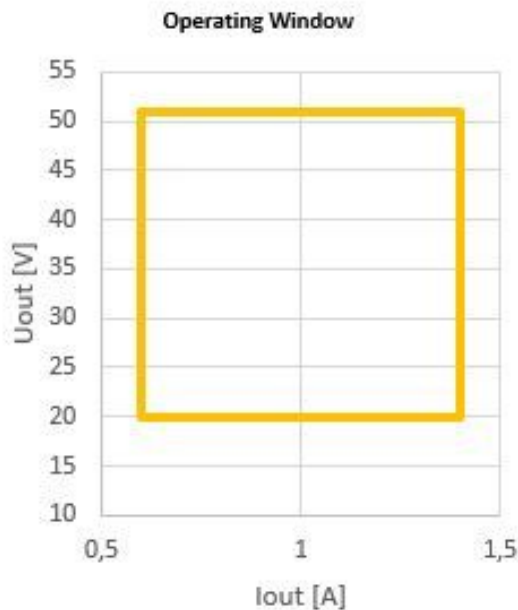
1) at 230 V, 50 Hz

### Typical Power Factor v Load



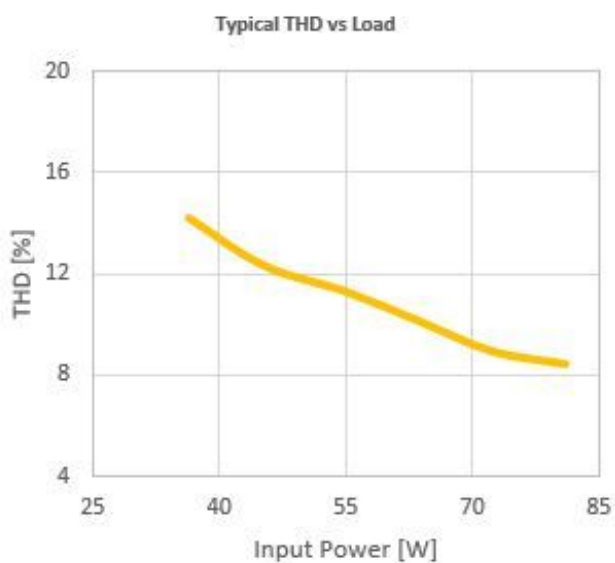
ETI DALI 75 LT2 L Typical Power Factor vs. Load

### Operating Window



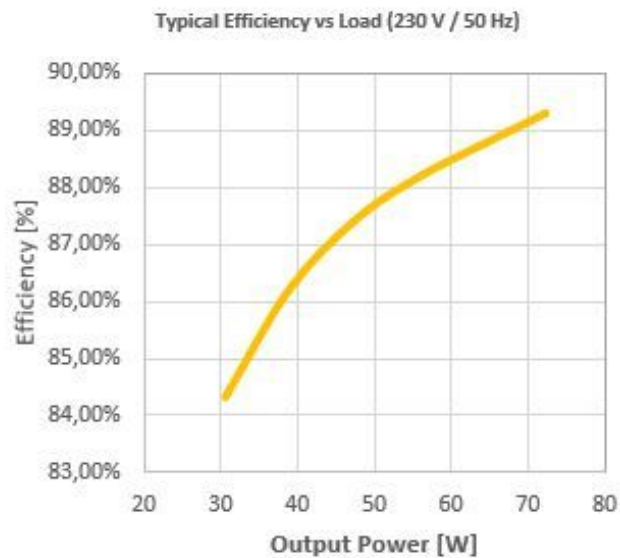
ETI DALI 75 LT2 L Operating Window

### Typical THD v Load



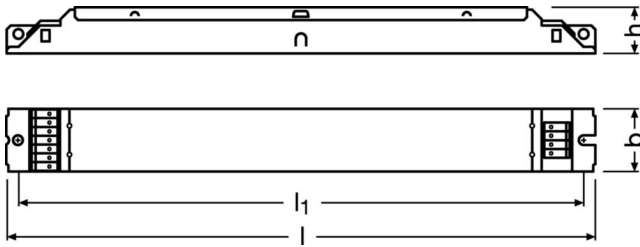
ETI DALI 75 LT2 L Typical THD Vs Load

### Typical Efficiency v Load 230 V 50 Hz



ETI DALI 75 LT2 L Typical Efficiency vs. Load

## Dimensions & weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Product weight                       | 170.00 g                  |
| Length                               | 280.0 mm                  |
| Width                                | 30.0 mm                   |
| Height                               | 21.0 mm                   |
| Mounting hole spacing, length        | 270.0 mm                  |
| 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              |

## 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 % <sup>1)</sup> |

1) Maximum 56 days/year at 85 %

### Lifespan

|              |                                  |
|--------------|----------------------------------|
| ECG lifetime | 100000 h / 50000 h <sup>1)</sup> |
|--------------|----------------------------------|

1) At maximum  $T_c = 65^\circ\text{C}$  / 10% failure rate / At maximum  $T_c = 75^\circ\text{C}$  / 10% failure rate

### Capabilities

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

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

2) except those used in high-risk task areas

### Programming

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

### Programmable features

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

### Certificates & standards

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

### Logistical data

|                |             |
|----------------|-------------|
| Commodity code | 85044083900 |
|----------------|-------------|

### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |               |
|---|---------------|
| Date of Declaration   | 13-02-2025    |
| Primary Article Identifier  | 4062172126250 |
| Declaration No. in SCIP database                                      | In work       |
| SCIP_STATUS   | In work       |
| SCIP_ID   |               |

#### 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.



## Download Data

| File                   |     |  |
|------------------------|-----|--|
| Mandatory Publications | PDF | ▶ ETI DALI LT2 L CE 4235855 06 200125  |
| Mandatory Publications | PDF | ▶ ETI DALI LT2 L UK DoC 4281066 040923 |
| User instruction       | PDF | ▶ UI ETI DALI LT2 L                    |
| User instruction       | PDF | ▶ UI ETI DALI 75 1A4 LT2 L             |

#### Logistical Data

| Product code  | Product description              | Packaging unit<br>(Pieces/Unit)  | Dimensions (length<br>x width x height) | Volume               | Gross weight |
|---------------|----------------------------------|----------------------------------|---|----------------------|--------------|
| 4062172126250 | ETi DALI 75/220-240/1A4<br>LT2 L | Shipping carton box<br>20 Pieces | 303 x 159 x 105 mm                      | 5.06 dm <sup>3</sup> | 176.35 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.