

**Driver LC 60W 48V SC SNC**

essence series 48 V – not dimmable (IP20)

New

**Product description**

- \_ Constant voltage LED driver
- \_ Output voltage 48 V
- \_ Max. output power 60 W
- \_ Dimmable via external PWM LED dimmers attached on output side
- \_ For luminaires of protection class I and protection class II
- \_ Possible to connect on / off 48 V DC / DC boards
- \_ The strain relief is included in both packaging variants. In the single packaging (SP) each Driver has also an individual packaging
- \_ Nominal lifetime up to 50,000 h
- \_ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

**Typical applications**

- \_ Cove lighting, facade accent lighting, ceiling integration

**Technical details**

- \_ 48 V, 60 W
- \_ Small design (225 x 43 x 30.2 mm) with stretched-compact strain relief
- \_ Output LF voltage ripple (< 120 Hz)  $\pm 1.5\%$
- \_ Power input on stand-by < 0.5 W
- \_ Small cross section
- \_ Push terminals for simple wiring

**System solution**

- \_ Tridonic LLE FLEX SNC4 and EXC4
- \_ In connection with ACL FLEX accessories wire to PCB

**Website**
<http://www.tridonic.com/87501113>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

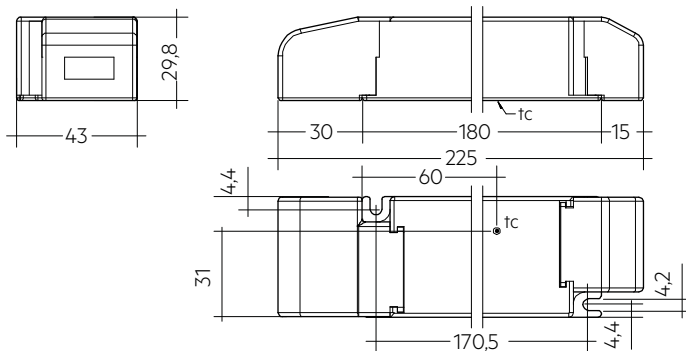


High bay

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The complete data sheet for this product is available in the Downloads section.

**Ordering data**

| Type                    | Article number | Packaging, carton | Packaging, pallet | Packaging, high volume | Weight per pc. |
|-------------------------|----------------|-------------------|-------------------|------------------------|----------------|
| <b>Single packaging</b> |                |                   |                   |                        |                |
| LC 60W 48V SC SNC SP    | 87501113       | 10 pc(s).         | 80 pc(s).         | 800 pc(s).             | 0.187 kg       |

**Technical data**

|                                                                                   |                      |
|-----------------------------------------------------------------------------------|----------------------|
| Rated supply voltage                                                              | 220 – 240 V          |
| AC voltage range                                                                  | 198 – 264 V          |
| Mains frequency                                                                   | 50 / 60 Hz           |
| Overvoltage protection                                                            | 320 V AC, 48 h       |
| Typ. rated current (at 230 V, 50 Hz, full load) ①                                 | 290 mA               |
| Max. input power                                                                  | 67 W                 |
| Typ. efficiency (at 230 V, 50 Hz, full load)                                      | 91.5 %               |
| $\lambda$ over full operating range (max.) ①                                      | 0.98                 |
| $\lambda$ over full operating range (min.)                                        | 0.8C                 |
| Typ. input current in no-load operation                                           | < 20 mA              |
| Typ. input power in no-load operation                                             | < 0.5 W              |
| In-rush current (peak / duration)                                                 | 32.3 A / 264 $\mu$ s |
| THD (at 230 V, 50 Hz, full load) ①                                                | < 10 %               |
| Output P <sub>ST_LM</sub> (at full load)                                          | $\leq 1$             |
| Output SVM (at full load)                                                         | $\leq 0.4$           |
| Starting time (at 230 V, 50 Hz, full load) ①                                      | < 0.5 s              |
| Turn off time (at 230 V, 50 Hz, full load)                                        | < 0.5 s              |
| Hold on time at power failure (output)                                            | 0 s                  |
| Output voltage tolerance                                                          | $\pm 2$ V            |
| Output LF voltage ripple (< 120 Hz)                                               | $\pm 1.5$ %          |
| Max. output voltage (U-OUT)                                                       | 50 V                 |
| Burst capability                                                                  | 1 kV                 |
| Mains surge capability (between L - N)                                            | 1 kV                 |
| Mains surge capability (between L/N - PE)                                         | 2 kV                 |
| Type of protection                                                                | IP20                 |
| Lifetime                                                                          | up to 50,000 h       |
| Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> ) | 5 Year(s)            |
| Dimensions L x W x H                                                              | 225 x 43 x 30 mm     |

**Approval marks**

## Standards

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547, IEC 60335-1

## Specific technical data

| Type                 | Load <sup>②</sup> | Output voltage | Output current | Max. Ausgangsleistung | Typ. power consumption | Typ. current consumption | tc point max. | Ambient temperature ta |
|----------------------|-------------------|----------------|----------------|-----------------------|------------------------|--------------------------|---------------|------------------------|
| LC 60W 48V SC SNC SP | 30 %              | 48 V           | 375 mA         | 18 W                  | 21.0 W                 | 101 mA                   | 65 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 40 %              | 48 V           | 500 mA         | 24 W                  | 27.2 W                 | 127 mA                   | 75 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 50 %              | 48 V           | 625 mA         | 30 W                  | 33.5 W                 | 154 mA                   | 75 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 60 %              | 48 V           | 750 mA         | 36 W                  | 39.8 W                 | 181 mA                   | 75 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 70 %              | 48 V           | 875 mA         | 42 W                  | 46.1 W                 | 206 mA                   | 85 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 80 %              | 48 V           | 1,000 mA       | 48 W                  | 52.5 W                 | 233 mA                   | 85 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 90 %              | 48 V           | 1,125 mA       | 54 W                  | 58.9 W                 | 261 mA                   | 85 °C         | -20 ... +50 °C         |
| LC 60W 48V SC SNC SP | 100 %             | 48 V           | 1,250 mA       | 60 W                  | 65.3 W                 | 290 mA                   | 85 °C         | -20 ... +50 °C         |

① Valid at 100 % dimming level.

② Max. capacitive load 20 µF / A.