

**Driver LC 100W 24V SC SNC**

essence series 24 V – not dimmable (IP20)

**Product description**

- \_ Constant voltage LED driver
- \_ Output voltage 24 V
- \_ Max. output power 100 W
- \_ Dimmable via external PWM LED dimmers attached on output side
- \_ Nominal lifetime up to 50,000 h
- \_ 5 years guarantee

**Typical applications**

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

**Technical details**

- \_ 24 V, 100 W
- \_ Small design (295 x 43 x 30 mm) with stretched-compact strain relief
- \_ Very good THD performance in wide load range < 5 %
- \_ Output LF voltage ripple (< 120 Hz)  $\pm 1.5$  %
- \_ Small cross section
- \_ Push terminals for simple wiring

**System solution**

- \_ Tridonic LLE-FLEX ADV G2 600, 1,200, 1,800 lm/m
- \_ Tridonic LLE-FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
- \_ In connection with Flex accessories wire to PCB plug

**Website**
<http://www.tridonic.com/87500666>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

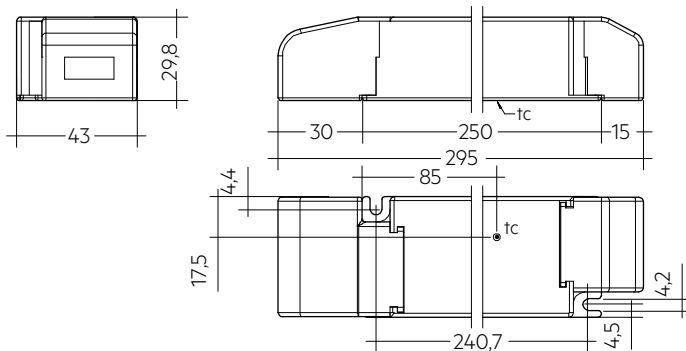


High bay

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

**Ordering data**

| Type                   | Article number | Packaging, carton <sup>2</sup> | Packaging, pallet | Packaging, high volume | Weight per pc. |
|------------------------|----------------|--------------------------------|-------------------|------------------------|----------------|
| <b>Multi packaging</b> |                |                                |                   |                        |                |
| LC 100W 24V SC SNC     | 87500666       | 10 pc(s).                      | 80 pc(s).         | 800 pc(s).             | 0.227 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) <sup>1</sup> | 486 mA             |
| Max. input power                                             | 113 W              |
| Typ. efficiency (at 230 V, 50 Hz, full load)                 | 92 %               |
| $\lambda$ (at 230 V, 50 Hz, full load) <sup>1</sup>          | 0.98               |
| Typ. input current in no-load operation                      | 63 mA              |
| Typ. input power in no-load operation                        | 1.8 W              |
| In-rush current (peak / duration)                            | 40 A / 186 $\mu$ s |
| THD (at 230 V, 50 Hz, full load) <sup>1</sup>                | < 4 %              |
| 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) <sup>1</sup>      | < 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                                     | $\pm 1$ V          |
| Output LF voltage ripple (< 120 Hz)                          | $\pm 1.5$ %        |
| Max. output voltage (U-OUT)                                  | 25 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                                                    | 5 Year(s)          |
| Dimensions L x W x H                                         | 295 x 43 x 29.8 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, IEC 60335-2-89

## Specific technical data

| Type               | Load  | Output voltage | Output current | Max. Ausgangsleistung | Typ. power consumption | Typ. current consumption | tc point max. | Ambient temperature ta |
|--------------------|-------|----------------|----------------|-----------------------|------------------------|--------------------------|---------------|------------------------|
| LC 100W 24V SC SNC | 30 %  | 24 V           | 1,250 mA       | 30 W                  | 33.6 W                 | 166 mA                   | 75 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 40 %  | 24 V           | 1,667 mA       | 40 W                  | 44.0 W                 | 207 mA                   | 80 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 50 %  | 24 V           | 2,083 mA       | 50 W                  | 54.5 W                 | 250 mA                   | 80 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 60 %  | 24 V           | 2,500 mA       | 60 W                  | 65.2 W                 | 295 mA                   | 85 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 70 %  | 24 V           | 2,917 mA       | 70 W                  | 75.9 W                 | 340 mA                   | 85 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 80 %  | 24 V           | 3,333 mA       | 80 W                  | 86.7 W                 | 385 mA                   | 90 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 90 %  | 24 V           | 3,750 mA       | 90 W                  | 97.6 W                 | 432 mA                   | 90 °C         | -20 ... +50 °C         |
| LC 100W 24V SC SNC | 100 % | 24 V           | 4,167 mA       | 100 W                 | 108.5 W                | 478 mA                   | 90 °C         | -20 ... +45 °C         |

① Valid at 100 % dimming level.

② The strain relief is included in both packaging variants. In the single packaging each Driver has also an individual packaging.