

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
- _ 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, 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

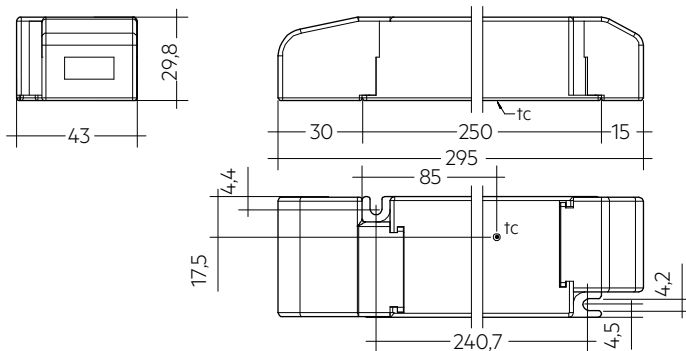


Decorative



High bay

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



Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
Multi packaging					
LC 100W 24V SC SNC	87500666	10 pc(s).	80 pc(s).	800 pc(s).	0.227 kg

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	486 mA
Max. input power	113 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92 %
λ (at 230 V, 50 Hz, full load) ①	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 μ s
THD (at 230 V, 50 Hz, full load) ①	< 4 %
Output P_ST_LM (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	$\pm$ 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 (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	295 x 43 x 29.8 mm



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.