

Driver LC 100W 48V SC SNC

essence series 48 V – not dimmable (IP20)

New

**Product description**

- _ Constant voltage LED driver
- _ Output voltage 48 V
- _ Max. output power 100 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, 100 W
- _ Small design (295 x 43 x 30 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/87501096>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

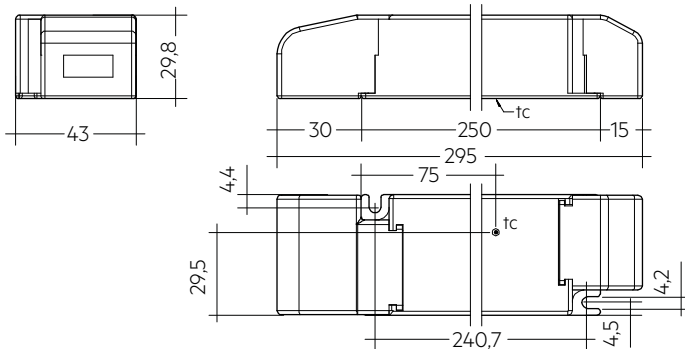


High bay

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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.
Multi packaging					
LC 100W 48V SC SNC	87501096	10 pc(s).	80 pc(s).	800 pc(s).	0.24 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	476 mA
Max. input power	109 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92.5 %
λ over full operating range (max.) ①	0.98
λ 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)	51.4 A / 232 μ s
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Output P _{ST_LM} (at full load)	≤ 1
Output SVM (at full load)	≤ 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	± 2 V
Output LF voltage ripple (< 120 Hz)	± 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 www.tridonic.com)	5 Year(s)
Dimensions L x W x H	295 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 ^②	Output voltage	Output current	Max. Ausgangsleistung	Typ. power consumption	Typ. current consumption	tc point max.	Ambient temperature ta
LC 100W 48V SC SNC	30 %	48 V	625 mA	30 W	33.9 W	170 mA	75 °C	-20 ... +50 °C
LC 100W 48V SC SNC	40 %	48 V	833 mA	40 W	44.1 W	211 mA	75 °C	-20 ... +50 °C
LC 100W 48V SC SNC	50 %	48 V	1,042 mA	50 W	54.5 W	254 mA	75 °C	-20 ... +50 °C
LC 100W 48V SC SNC	60 %	48 V	1,250 mA	60 W	64.8 W	297 mA	75 °C	-20 ... +50 °C
LC 100W 48V SC SNC	70 %	48 V	1,458 mA	70 W	75.2 W	340 mA	80 °C	-20 ... +50 °C
LC 100W 48V SC SNC	80 %	48 V	1,667 mA	80 W	85.7 W	385 mA	80 °C	-20 ... +50 °C
LC 100W 48V SC SNC	90 %	48 V	1,875 mA	90 W	96.3 W	430 mA	85 °C	-20 ... +50 °C
LC 100W 48V SC SNC	100 %	48 V	2,083 mA	100 W	107.0 W	476 mA	85 °C	-20 ... +45 °C

① Valid at 100 % dimming level.

② Max. capacitive load 20 µF / A.