

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/87501095>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

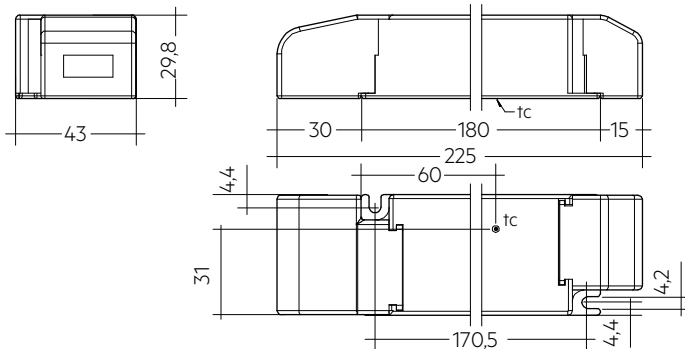


High bay

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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 60W 48V SC SNC	87501095	10 pc(s).	120 pc(s).	1,200 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 %
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)	32.3 A / 264 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	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 ^②	Output voltage	Output current	Max. Ausgangsleistung	Typ. power consumption	Typ. current consumption	tc point max.	Ambient temperature ta
LC 60W 48V SC SNC	30 %	48 V	375 mA	18 W	21.0 W	101 mA	65 °C	-20 ... +50 °C
LC 60W 48V SC SNC	40 %	48 V	500 mA	24 W	27.2 W	127 mA	75 °C	-20 ... +50 °C
LC 60W 48V SC SNC	50 %	48 V	625 mA	30 W	33.5 W	154 mA	75 °C	-20 ... +50 °C
LC 60W 48V SC SNC	60 %	48 V	750 mA	36 W	39.8 W	181 mA	75 °C	-20 ... +50 °C
LC 60W 48V SC SNC	70 %	48 V	875 mA	42 W	46.1 W	206 mA	85 °C	-20 ... +50 °C
LC 60W 48V SC SNC	80 %	48 V	1,000 mA	48 W	52.5 W	233 mA	85 °C	-20 ... +50 °C
LC 60W 48V SC SNC	90 %	48 V	1,125 mA	54 W	58.9 W	261 mA	85 °C	-20 ... +50 °C
LC 60W 48V SC SNC	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.