

Driver LC 35W 48V SC SNC

essence series 48 V – not dimmable (IP20)

New

**Product description**

- _ Constant voltage LED driver
- _ Output voltage 48 V
- _ Max. output power 35 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 70,000 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, 35 W
- _ Small design (142 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/87501094>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

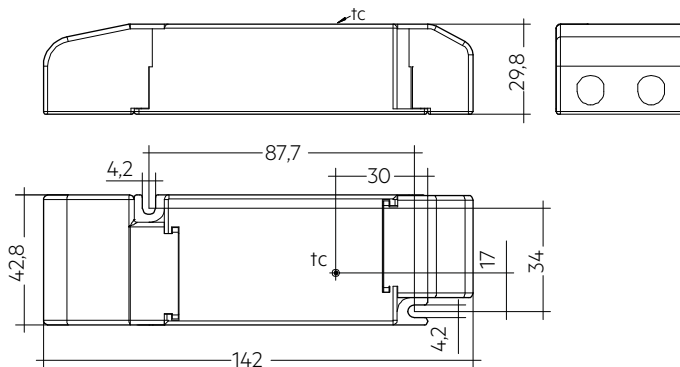


High bay

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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 35W 48V SC SNC	87501094	20 pc(s).	140 pc(s).	1,820 pc(s).	0.134 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, 1 h
Typ. rated current (at 230 V, 50 Hz, full load) ^①	174 mA
Max. input power	40 W
Typ. efficiency (at 230 V, 50 Hz, full load)	90 %
λ over full operating range (max.) ^①	0.97
λ over full operating range (min.)	0.85C
Typ. input current in no-load operation	< 20 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	26 A / 161 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 70,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	142 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 35W 48V SC SNC	30 %	48 V	219 mA	11 W	12.6 W	62 mA	65 °C	-20 ... +50 °C
LC 35W 48V SC SNC	40 %	48 V	292 mA	14 W	16.4 W	77 mA	70 °C	-20 ... +50 °C
LC 35W 48V SC SNC	50 %	48 V	365 mA	18 W	20.2 W	93 mA	70 °C	-20 ... +50 °C
LC 35W 48V SC SNC	60 %	48 V	438 mA	21 W	24.0 W	109 mA	70 °C	-20 ... +50 °C
LC 35W 48V SC SNC	70 %	48 V	511 mA	25 W	27.9 W	125 mA	80 °C	-20 ... +50 °C
LC 35W 48V SC SNC	80 %	48 V	584 mA	28 W	31.8 W	141 mA	80 °C	-20 ... +50 °C
LC 35W 48V SC SNC	90 %	48 V	657 mA	32 W	35.6 W	158 mA	80 °C	-20 ... +50 °C
LC 35W 48V SC SNC	100 %	48 V	730 mA	35 W	39.4 W	174 mA	80 °C	-20 ... +45 °C

① Valid at 100 % dimming level.

② Max. capacitive load 20 µF / A.