

Driver LC 200W 48V SC SNC

essence series 48 V – not dimmable (IP20)

New

**Product description**

- _ Constant voltage LED driver
- _ Output voltage 48 V
- _ Max. output power 200 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 60,000 h
- _ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

Typical applications

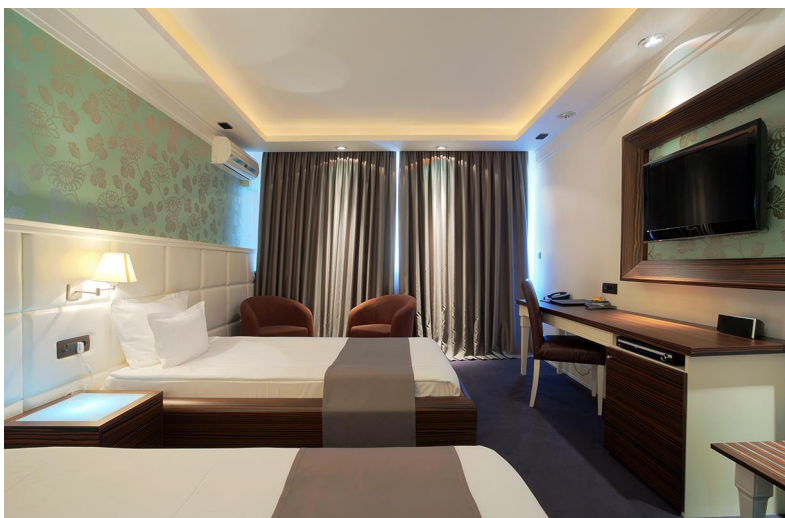
- _ Cove lighting, facade accent lighting, ceiling integration

Technical details

- _ 48 V, 200 W
- _ Small design (325 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/87501115>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

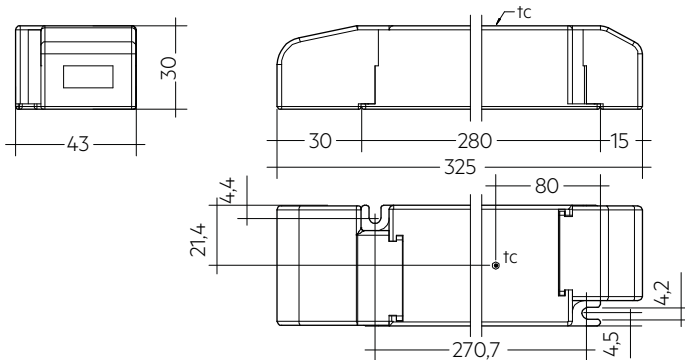


High bay

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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.
Single packaging					
LC 200W 48V SC SNC SP	87501115	20 pc(s).	160 pc(s).	960 pc(s).	0.48 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	950 mA
Max. input power	216 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93.5 %
λ over full operating range (max.) ①	0.98
λ over full operating range (min.)	0.91C
Typ. input current in no-load operation	< 20 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	103 A / 157 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 60,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	325 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 200W 48V SC SNC SP	30 %	48 V	1,250 mA	60 W	67.3 W	323 mA	80 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	40 %	48 V	1,667 mA	80 W	88.0 W	409 mA	80 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	50 %	48 V	2,084 mA	100 W	108.9 W	496 mA	85 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	60 %	48 V	2,500 mA	120 W	129.4 W	582 mA	85 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	70 %	48 V	2,917 mA	140 W	150.4 W	672 mA	85 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	80 %	48 V	3,334 mA	160 W	171.7 W	763 mA	85 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	90 %	48 V	3,750 mA	180 W	192.5 W	853 mA	88 °C	-20 ... +50 °C
LC 200W 48V SC SNC SP	100 %	48 V	4,167 mA	200 W	215.5 W	946 mA	88 °C	-20 ... +45 °C

① Valid at 100 % dimming level.

② Max. capacitive load 20 µF / A.