

Driver LC 75W 900–1800mA flexC Ip EXC

excite series

**Product description**

- _ Constant current LED driver for luminaire installation
- _ For luminaires of protection class I and protection class II
- _ Adjustable output current between 900 and 1,800 mA via ready2mains Programmer or I-SELECT 2 plugs
- _ Max. output power 75 W
- _ Up to 91 % efficiency
- _ Nominal lifetime up to 100,000 h
- _ 5 years guarantee

Housing properties

- _ Low profile metal casing with white cover
- _ Type of protection IP20

Interfaces

- _ ready2mains (configuration via mains)
- _ Terminal blocks: 0° push terminals

Functions

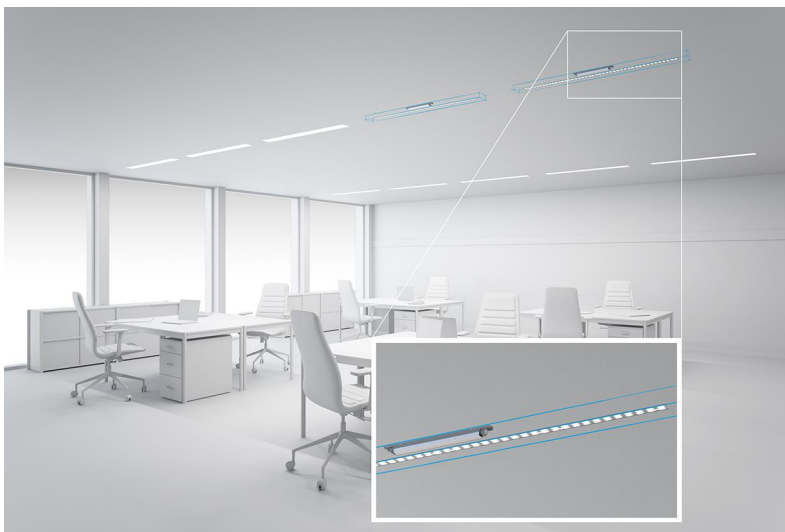
- _ Adjustable output current in 1-mA-steps (ready2mains, I-SELECT 2)
- _ Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- _ Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- _ Application-oriented operating window for maximum compatibility
- _ Best energy savings due to high efficiency
- _ Flexible configuration via ready2mains and I-SELECT 2
- _ Reliability proven by lifetime up to 100,000 h and 5 years guarantee

Typical applications

- _ For linear/area lighting in office applications

**Website**

<http://www.tridonic.com/28000684>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

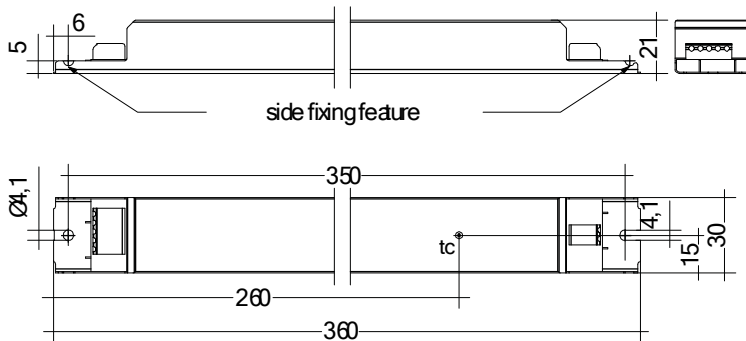


High bay

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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	Weight per pc.
LC 75W 900-1800mA flexC Ip EXC	28000684	10 pc(s).	760 pc(s).	0.238 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ①	370 mA
Typ. current (220 V, 0 Hz, full load) ②③	360 mA
Leakage current (at 230 V, 50 Hz, full load) ④	< 250 µA
Max. input power	84,5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	91 %
λ (at 230 V, 50 Hz, full load)	0,98
Typ. input current in no-load operation	20 mA
Typ. input power in no-load operation	0,1 W
In-rush current (peak / duration)	35 A / 240 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC) ⑤	< 0,2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⑥	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Output P_ST_LM (at full load)	≤ 1
Output SVM (at full load)	≤ 0,4
Max. output voltage (U-OUT)	52 V
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Burst / surge peaks output side against PE	< 0,5 kV
Type of protection	IP20
Lifetime	up to 100,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	360 x 30 x 21 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, according to EN 50172, according to EN 60598-2-22

Specific technical data

Type	Output current ⑥	Min. output voltage	Max. output voltage	Max. output power	Typ. power consumption n (at 230 V, 50 Hz, full load)	Typ. current consumption n (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-SELECT2 resistor value ⑦
LC 75W 900-1800mA flexC Ip EXC	900 mA	20 V	50 V	45,0 W	50,6 W	228 mA	80 °C	-25 ... +55 °C	-
LC 75W 900-1800mA flexC Ip EXC	950 mA	20 V	50 V	47,5 W	53,3 W	241 mA	80 °C	-25 ... +55 °C	5,26 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,000 mA	20 V	50 V	50,0 W	56,6 W	254 mA	80 °C	-25 ... +50 °C	5,00 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,050 mA	20 V	50 V	52,5 W	59,3 W	266 mA	80 °C	-25 ... +50 °C	4,76 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,100 mA	20 V	50 V	55,0 W	62,0 W	277 mA	80 °C	-25 ... +50 °C	4,55 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,150 mA	20 V	50 V	57,5 W	64,4 W	287 mA	80 °C	-25 ... +50 °C	4,35 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,200 mA	20 V	50 V	60,0 W	66,0 W	294 mA	80 °C	-25 ... +50 °C	4,17 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,250 mA	20 V	50 V	62,5 W	70,3 W	313 mA	80 °C	-25 ... +50 °C	4,00 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,300 mA	20 V	50 V	65,0 W	72,8 W	324 mA	80 °C	-25 ... +50 °C	3,85 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,350 mA	20 V	50 V	67,5 W	74,5 W	330 mA	80 °C	-25 ... +50 °C	3,70 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,400 mA	20 V	50 V	70,0 W	77,9 W	345 mA	80 °C	-25 ... +50 °C	3,57 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,450 mA	20 V	50 V	72,5 W	80,4 W	357 mA	80 °C	-25 ... +50 °C	3,45 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,500 mA	20 V	50 V	75,0 W	83,5 W	370 mA	80 °C	-25 ... +50 °C	3,33 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,550 mA	20 V	48 V	75,0 W	82,8 W	359 mA	80 °C	-25 ... +50 °C	3,23 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,600 mA	20 V	47 V	75,0 W	83,8 W	370 mA	80 °C	-25 ... +50 °C	3,13 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,650 mA	20 V	45 V	75,0 W	82,6 W	365 mA	80 °C	-25 ... +50 °C	3,03 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,700 mA	20 V	44 V	75,0 W	84,5 W	374 mA	80 °C	-25 ... +50 °C	2,94 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,750 mA	20 V	43 V	75,0 W	83,9 W	371 mA	80 °C	-25 ... +50 °C	2,86 kΩ
LC 75W 900-1800mA flexC Ip EXC	1,800 mA	20 V	42 V	75,0 W	83,9 W	371 mA	80 °C	-25 ... +50 °C	0,00 kΩ

① Depending on the selected output current.

② Valid for Drivers with „DC new“ on the label. For old version typ. current (220 V, 0 Hz, full load, 50 % dimming level) is 175 mA.

③ Valid for immediate change of power supply type otherwise the starting time is valid.

④ Output current is mean value.

⑤ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⑥ Not compatible with I-SELECT (generation 1). Calculated resistor value.