

Driver LC 35W 150–700mA flexC NF h16 EXC4

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 150 and 700 mA via NFC
- _ Max. output power 35 W
- _ Up to 86 % efficiency
- _ Nominal lifetime of 100,000 h
- _ 5 years guarantee (conditions at www.tridonic.com)

Housing properties

- _ Low profile metal casing with white cover
- _ Only 16 mm housing height
- _ Type of protection IP20

Interfaces

- _ Near field communication (NFC)
- _ Terminal blocks: 0° push terminals

Functions

- _ Adjustable output current in 2-mA-steps (NFC)
- _ Constant light output function (eCLO)
- _ Protective features (overtemperature, short-circuit, overload, no-load)
- _ Intelligent Voltage Guard (overvoltage and undervoltage monitoring)
- _ Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

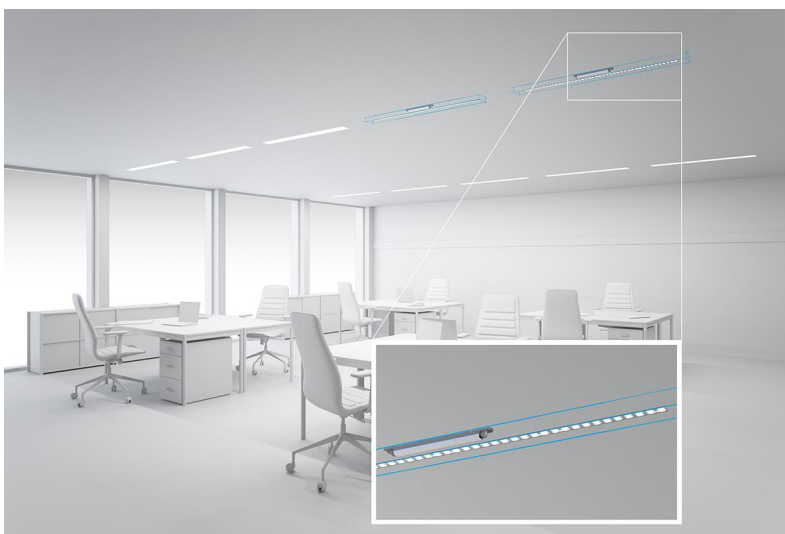
- _ Flexible configuration via companionSUITE
- _ Support NFC multiple programming (full carton box)
- _ Application-oriented operating window for maximum compatibility
- _ Best energy savings due to high efficiency
- _ Reliability proven by lifetime up to 100,000 h and 5 years guarantee (conditions at www.tridonic.com)

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28004410>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



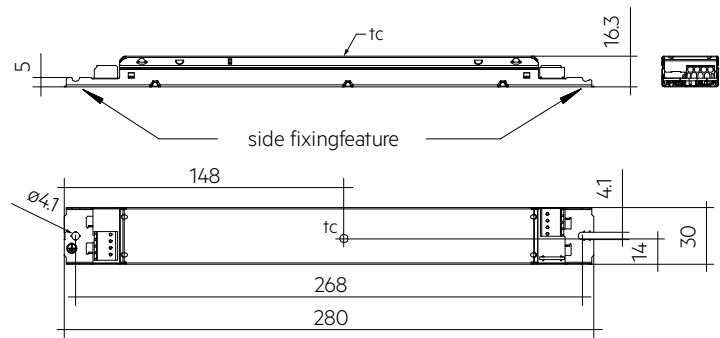
Decorative



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 35/150-700/54 flexC NF h16 EXC4	28004410	10 pc(s).	1,150 pc(s).	0.159 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	176 mA
Typ. current (220 V, 0 Hz, full load) ①	185 mA
Leakage current (at 230 V, 50 Hz, full load) ①	< 700 µA
Max. input power	39.4 W
Output power range (P _{rated})	2.25 – 35 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	86 %
λ over full operating range (max.)	0.99
λ over full operating range (min.)	0.4C
Typ. input current in no-load operation	25.2 mA
Typ. input power in no-load operation	1.2 W
In-rush current (peak / duration)	5.13 A / 45 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (AC mode)	< 0.5 s
Starting time (DC mode)	< 0.5 s
Switchover time (AC/DC) ②	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ③④	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 5 %
Output LF current ripple (< 120 Hz)	± 1.5 %
Output P _{ST_LM} (at full load)	≤ 1
Output SVM (at full load)	≤ 0.4
Max. output voltage (U-OUT)	57 V
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at 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	280 x 30 x 16 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 ⑤	Min. output voltage	Max. output voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	T _c point max.	Ambient temperature T _a
LC 35/150-700/54 flexC NF h16 EXC4	150 mA	15 V	54 V	8.1 W	10.2 W	59 mA	73 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	200 mA	15 V	54 V	10.8 W	13.0 W	69 mA	73 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	300 mA	15 V	54 V	16.2 W	18.5 W	90 mA	73 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	400 mA	15 V	54 V	21.6 W	24.9 W	116 mA	78 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	500 mA	15 V	54 V	27.0 W	30.4 W	138 mA	78 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	648 mA	15 V	54 V	35.0 W	39.5 W	176 mA	86 °C	-20 ... +60 °C
LC 35/150-700/54 flexC NF h16 EXC4	700 mA	15 V	50 V	35.0 W	39.4 W	176 mA	86 °C	-20 ... +60 °C

① Depending on the selected output current.

② Valid for immediate change of power supply type otherwise the starting time is valid.

③ Output current is mean value.

④ Test result at 230 V, 50 Hz, full load and 25 °C.

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 2-mA-steps.