

Driver LC 55W 350–1050mA 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 350 and 1,050 mA with NFC
- _ Max. output power 55 W
- _ Up to 87 % 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

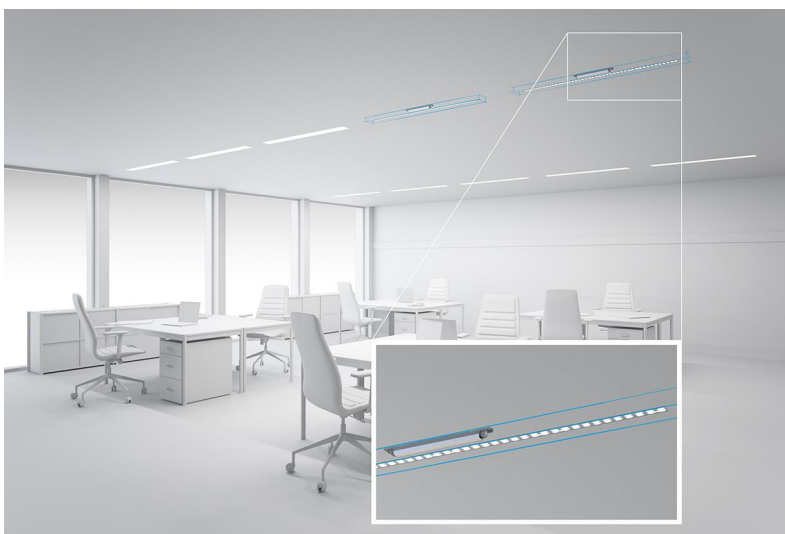
- _ Flexible configuration via companionSUITE
- _ Support NFC multiple programming (full carton box)
- _ Application-oriented operating window for maximum compatibility
- _ Best energy savings due to high efficiency
- _ Reliability proven by lifetime up to 100,000 h and 5 years guarantee (conditions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

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28004411>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



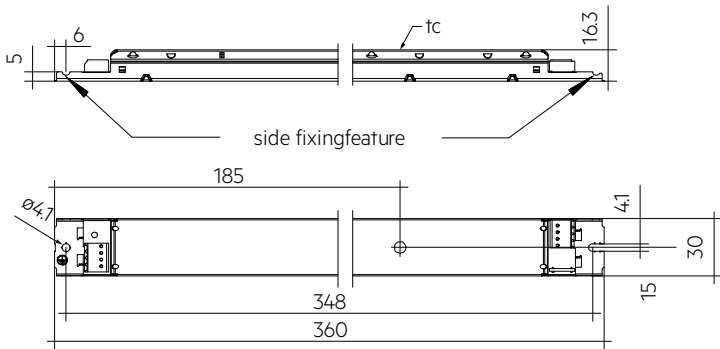
Decorative



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 55/350-1050/54 flexC NF h16 EXC4	28004411	10 pc(s).	950 pc(s).	0.232 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	280 mA
Typ. current (220 V, 0 Hz, full load) ①	286 mA
Leakage current (at 230 V, 50 Hz, full load) ①	< 700 µA
Max. input power	63.5 W
Output power range (P _{rated})	5.25 – 55 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	87 %
λ over full operating range (max.)	0.99
λ over full operating range (min.)	0.48C
Typ. input current in no-load operation	36 mA
Typ. input power in no-load operation	1.2 W
In-rush current (peak / duration)	6.83 A / 36 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	360 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 ③④	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 55/350-1050/54 flexC NF h16 EXC4	350 mA	15 V	54.0 V	18.9 W	21.9 W	108 mA	76 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	450 mA	15 V	54.0 V	24.3 W	27.8 W	131 mA	76 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	500 mA	15 V	54.0 V	27.0 W	30.7 W	143 mA	76 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	550 mA	15 V	54.0 V	29.7 W	33.8 W	155 mA	80 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	650 mA	15 V	54.0 V	35.1 W	39.8 W	180 mA	80 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	750 mA	15 V	54.0 V	40.5 W	45.9 W	205 mA	86 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	850 mA	15 V	54.0 V	45.9 W	52.3 W	232 mA	86 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	950 mA	15 V	54.0 V	51.3 W	58.6 W	259 mA	93 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	1,019 mA	15 V	54.0 V	55.0 W	63.2 W	279 mA	93 °C	-20 ... +60 °C
LC 55/350-1050/54 flexC NF h16 EXC4	1,050 mA	15 V	52.4 V	55.0 W	63.3 W	279 mA	93 °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.