

Driver LC 25W 75–350mA flexC NF h16 EXC4 excite series



Product description

- _ New article (28005033) with updated NFC interface for compatibility with ID ECCO Smart 2D-TR
- _ Constant current LED driver for luminaire installation
- _ For class I luminaires
- _ Adjustable output current between 75 and 350 mA via NFC
- _ Max. output power 25 W
- _ Up to 90.5 % efficiency
- _ Nominal lifetime up to 100,000 h
- _ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

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 1-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 <https://www.tridonic.com/manufacture-guarantee-conditions>)

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28005033>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative



High bay

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	135 mA
Typ. current (220 V, 0 Hz, full load) ^①	135 mA
Leakage current (at 230 V, 50 Hz, full load) ^①	< 500 µA
Max. input power	28.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^①	90.5 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. input current in no-load operation	15.4 mA
Typ. input power in no-load operation	0.72 W
In-rush current (peak / duration)	11.92 A / 207 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 300 ms
Starting time (DC mode)	< 300 ms
Switchover time (AC/DC) ^②	< 300 ms
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 + 60 %
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)	250 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	≤ 2.5 kV
Type of protection	IP20
Lifetime	up to 100,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	280 x 30 x 16.3 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 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
LC 25/75-350/220 flexC NF h16 EXC4	75 mA	80 V	220.0 V	16.5 W	18.7 W	86 mA	70 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	100 mA	60 V	220.0 V	22.0 W	24.0 W	109 mA	75 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	150 mA	40 V	166.7 V	25.0 W	27.3 W	123 mA	75 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	200 mA	40 V	125.0 V	25.0 W	27.7 W	125 mA	75 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	250 mA	40 V	100.0 V	25.0 W	28.1 W	126 mA	80 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	300 mA	40 V	83.3 V	25.0 W	28.1 W	126 mA	80 °C	-20 ... +60 °C
LC 25/75-350/220 flexC NF h16 EXC4	350 mA	40 V	71.4 V	25.0 W	28.5 W	130 mA	80 °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 Output current tolerance for output current < 100 mA: ± 5 mA.

^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.