

Driver LC 40W 75–400mA flexC NF h16 EXC4 excite series



Product description

- _ New article (28005034) 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 400 mA via NFC
- _ Max. output power 40 W
- _ Up to 94 % efficiency
- _ Nominal lifetime up to 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 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

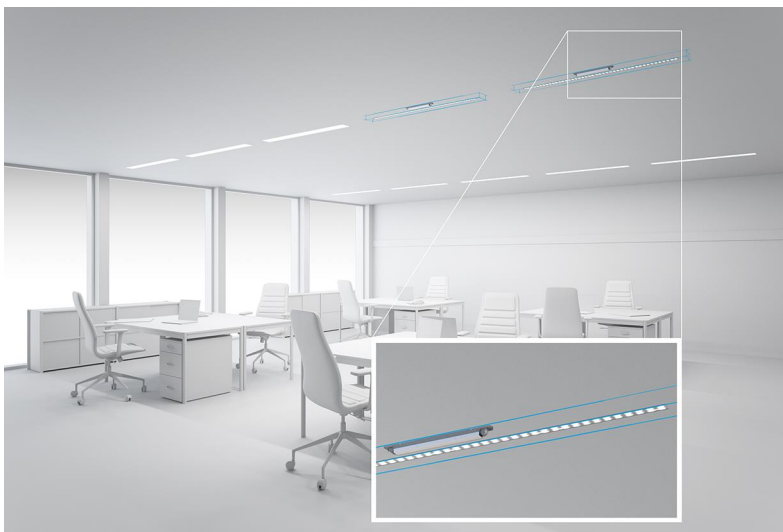
- _ Flexible configuration via companionSUITE
- _ Support NFC multiple programming (full carton box)
- _ Application-oriented operating window for maximum compatibility
- _ Best energy savings due to high efficiency
- _ Reliability proven by lifetime up to 100,000 h and 5 years guarantee (conditions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

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28005034>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



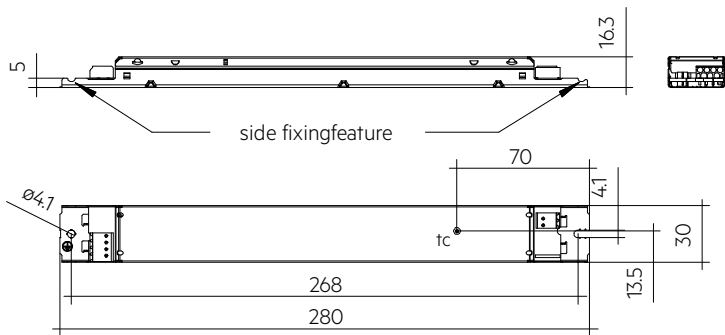
Decorative



High bay

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excite series

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 40/75-400/220 flexC NF h16 EXC4	28005034	10 pc(s).	1,150 pc(s).	0.146 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	205 mA
Typ. current (220 V, 0 Hz, full load) ^①	200 mA
Leakage current (at 230 V, 50 Hz, full load) ^①	< 500 µA
Max. input power	43.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^①	94 %
λ (at 230 V, 50 Hz, full load)	0.97
Typ. input current in no-load operation	24.5 mA
Typ. input power in no-load operation	0.72 W
In-rush current (peak / duration)	22.64 A / 203 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 + 70 %
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 40/75-400/220 flexC NF h16 EXC4	75 mA	106.7 V	220.0 V	16.5 W	18.3 W	88 mA	80 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	100 mA	80.0 V	220.0 V	22.0 W	23.9 W	110 mA	80 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	150 mA	53.3 V	220.0 V	33.0 W	35.5 W	159 mA	80 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	200 mA	45.0 V	200.0 V	40.0 W	42.4 W	188 mA	80 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	250 mA	45.0 V	160.0 V	40.0 W	43.0 W	191 mA	80 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	300 mA	45.0 V	133.3 V	40.0 W	43.3 W	192 mA	85 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	350 mA	45.0 V	114.3 V	40.0 W	43.7 W	194 mA	85 °C	-20 ... +60 °C
LC 40/75-400/220 flexC NF h16 EXC4	400 mA	45.0 V	100.0 V	40.0 W	43.9 W	195 mA	85 °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.