

Driver LCI 150W 500-850mA flexC NF h28 EXC3 (INDUSTRY)

excite series non-SELV

**Product description**

- _ Constant current built-in LED driver, particularly suitable for industrial applications in tough environments with elevated ambient temperatures such as cold warehouses or factories
- _ For class I luminaires
- _ Output current adjustable between 500 – 850 mA
- _ Max. output power 150 W
- _ Suitable for mains voltage peaks (burst/surge) up to 4 kV
- _ Expanded temperature range of -40 ... +80 °C
- _ Nominal lifetime up to 90,000 h (at ta 70 °C)
- _ 5 years guarantee

Housing properties

- _ White slim metal casing
- _ Type of protection IP20

Interfaces

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

Functions

- _ Adjustable output current in 1-mA-steps (NFC)
- _ Intelligent Temperature Guard (overtemperature protection)
- _ Intelligent Voltage Guard (overvoltage and undervoltage monitoring)
- _ Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- _ Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- _ Flexible configuration via companionSUITE (NFC)
- _ Application-oriented operating window for maximum compatibility
- _ Extended vibration damping
- _ Increased safety through robust design and advanced testing under extreme test conditions
- _ High reliability through the selection of exclusive components

Typical applications

- _ For linear/area lighting in industry applications

Website
<http://www.tridonic.com/28003512>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

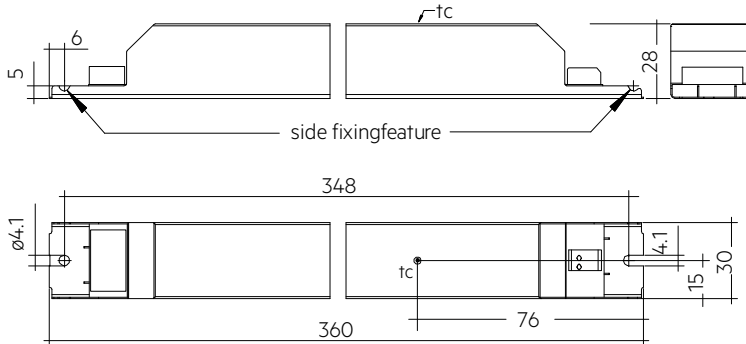


High bay

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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.
LCI 150/500-850/230 flexC NF h28 EXC3	28003512	10 pc(s).	550 pc(s).	0.31 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) ^{①②}	700 mA
Typ. current (220 V, 0 Hz, full load, EOFx dimlevel) ^{①②}	105 mA
Leakage current (at 230 V, 50 Hz, full load) ^{①②}	< 350 µA
Max. input power	157 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^②	95.5 %
λ (at 230 V, 50 Hz, full load) ^①	0.97
Typ. input current in no-load operation	80 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	5 A / 2,500 µs
THD (at 230 V, 50 Hz, full load) ^①	< 10 %
Starting time (at 230 V, 50 Hz, full load) ^①	< 0.5 s
Starting time (DC mode)	< 0.5 s
Switchover time (AC/DC) ^③	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ^{④⑤}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz) ^①	± 3 %
Output P_ST_LM (at full load)	≤ 1
Output SVM (at full load)	≤ 0.4
Max. output voltage (U-OUT)	300 V
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4.5 kV
Type of protection	IP20
Lifetime	up to 90,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	360 x 30 x 28 mm

Approval marks**Standards**

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5, EN 61347-1, EN 61347-2-13, EN 61547, EN 62384, 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 (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta
LCl 150/500-850/230 flexC NF h28 EXC3	500 mA	140 V	230.0 V	115.0 W	120.0 W	538 mA	85 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	550 mA	140 V	230.0 V	126.5 W	131.5 W	587 mA	85 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	600 mA	140 V	230.0 V	138.0 W	143.5 W	638 mA	85 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	650 mA	140 V	230.0 V	149.5 W	154.9 W	688 mA	90 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	700 mA	140 V	214.3 V	150.0 W	155.9 W	692 mA	90 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	750 mA	140 V	200.0 V	150.0 W	156.4 W	694 mA	90 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	800 mA	140 V	187.5 V	150.0 W	156.8 W	696 mA	90 °C	-40 ... +80 °C
LCl 150/500-850/230 flexC NF h28 EXC3	850 mA	140 V	176.5 V	150.0 W	157.0 W	696 mA	90 °C	-40 ... +80 °C

① Valid at max. output current setting at ta = 25 °C.

② Depending on the selected output current.

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.