

Driver LC 40W 75–400mA 230V o4a NFC h16 EXC4

16 mm excite NFC series

**Product description**

- _ NEW: lumDATA (DALI-2 part ext. 251, 252 and 253)
- _ Dimmable built-in constant current LED driver
- _ Dimming range 1 to 100 %
- _ For luminaires of protection class I and protection class II
- _ Adjustable output current between 75 and 400 mA
- _ Max. output power 40 W
- _ Up to 92.2 % efficiency
- _ Power input on stand-by < 0.14 W
- _ 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)
- _ one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION)
- _ Terminal blocks: 0° push terminals

Functions

- _ Adjustable output current in 1-mA-steps (NFC, DALI)
- _ Fulfills DALI-2 parts: 251 (Luminaire data), 252 (Energy reporting) and 253 (Diagnostics & Maintenance)
- _ Constant light output function (eCLO)
- _ Power-up fading at AC
- _ Switch off the driver with fade2zero
- _ Protective features (overtemperature, short-circuit, overload, no-load)
- _ 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 low stand-by losses and 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/28004049>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



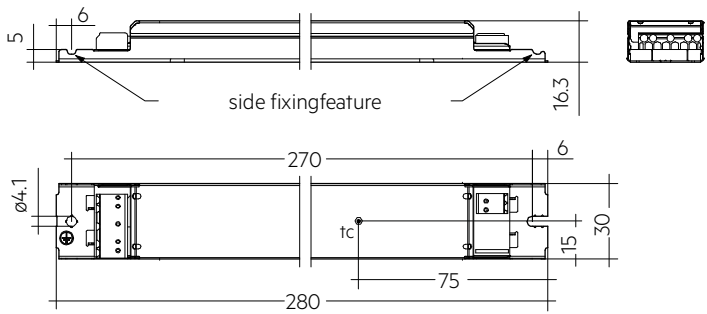
Decorative



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 40/75-400/230 o4a NF h16 EXC4	28004049	10 pc(s).	1,150 pc(s).	0.154 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}	193 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^③	40 mA
Leakage current (PE)	< 500 µA
Max. input power	44 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^②	92.2 %
λ (at 230 V, 50 Hz, full load) ^①	0.99
Typ. power consumption on stand-by ^④	< 0.14 W
Typ. input current in no-load operation	24.6 mA
Typ. input power in no-load operation	0.33 W
In-rush current (peak / duration)	24.1 A / 181 µs
THD (at 230 V, 50 Hz, full load) ^①	< 6 %
Starting time (AC mode)	< 0.7 s
Starting time (DC mode)	< 0.35 s
Switchover time (AC/DC) ^⑤	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^①	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
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
Dimming range	1 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 2 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 61000-4-4, EN 61000-4-5, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547, EN 62386-101 (DALI-2), EN 62386-102 (DALI-2), EN 62386-207 (DALI-2), according to EN 50172, according to EN 60598-2-22

Specific technical data

Type	Output current ^①	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
LC 40/75-400/230 o4a NF h16 EXC4	75 mA	45 V	230.0 V	17.3 W	19.5 W	93 mA	82 °C	-20 ... +70 °C
LC 40/75-400/230 o4a NF h16 EXC4	100 mA	45 V	230.0 V	23.0 W	25.5 W	117 mA	83 °C	-20 ... +70 °C
LC 40/75-400/230 o4a NF h16 EXC4	150 mA	45 V	230.0 V	34.5 W	37.4 W	165 mA	84 °C	-20 ... +70 °C
LC 40/75-400/230 o4a NF h16 EXC4	200 mA	45 V	200.0 V	40.0 W	43.2 W	191 mA	81 °C	-20 ... +65 °C
LC 40/75-400/230 o4a NF h16 EXC4	250 mA	45 V	160.0 V	40.0 W	43.4 W	191 mA	82 °C	-20 ... +65 °C
LC 40/75-400/230 o4a NF h16 EXC4	300 mA	45 V	133.3 V	40.0 W	43.5 W	192 mA	84 °C	-20 ... +65 °C
LC 40/75-400/230 o4a NF h16 EXC4	350 mA	45 V	114.3 V	40.0 W	43.8 W	193 mA	80 °C	-20 ... +60 °C
LC 40/75-400/230 o4a NF h16 EXC4	400 mA	45 V	100.0 V	40.0 W	44.0 W	194 mA	82 °C	-20 ... +60 °C

① Valid at 100 % dimming level. Output current is mean value.

② Depending on the selected output current.

③ Depending on the DALI traffic at the interface.

④ Valid for immediate change of power supply type otherwise the starting time is valid.

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. Output current is mean value.