

Driver LC 40W 75–400mA 230V bDW NFC h16 PRE4

16 mm premium NFC series

**Product description**

- _ Can be integrated in Casambi systems (Casambi Ready)
- _ NEW: lumDATA (Luminaire data, Energy reporting and Diagnostics & Maintenance)
- _ 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

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

Functions

- _ Adjustable output current in 1-mA-steps (NFC)
- _ lumDATA (Luminaire data, Energy reporting and 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/28004618>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



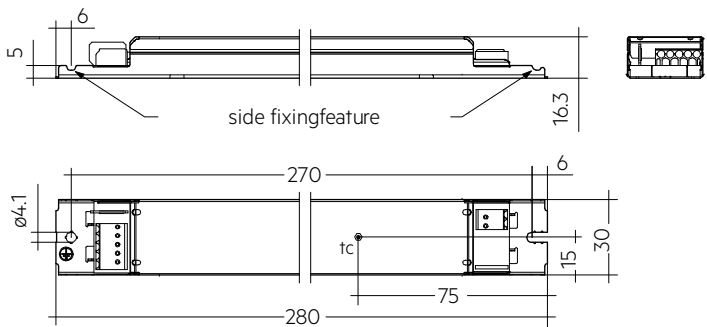
Decorative



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 bDW NF h16 PRE4	28004618	10 pc(s).	920 pc(s).	0.155 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}	194 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^②	40 mA
Leakage current (PE)	< 250 µA
Max. input power	44 W
Output power range (P _{rated})	3.38 – 40 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^②	92.2 %
λ over full operating range (max.) ^①	0.99
λ over full operating range (min.)	0.43C
Typ. power consumption on stand-by	< 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	< 5 %
Starting time (AC mode)	< 0.7 s
Starting time (DC mode)	< 0.35 s
Switchover time (AC/DC) ^③	< 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
Radio transceiver operating frequencies	2.4 – 2.483 GHz
Max. output power radio transceiver (E.R.I.P.) ^④	< + 20 dBm
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, ETSI EN 300 330, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 300 328, ETSI EN 301 489-17, according to EN 50172, according to EN 60598-2-22

Specific technical data

Type	Output ^⑤ current	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 bDW NF h16 PRE4	75 mA	45 V	230.0 V	17.3 W	19.5 W	93 mA	78 °C	-20 ... +70 °C
LC 40/75-400/230 bDW NF h16 PRE4	100 mA	45 V	230.0 V	23.0 W	25.5 W	117 mA	79 °C	-20 ... +70 °C
LC 40/75-400/230 bDW NF h16 PRE4	150 mA	45 V	230.0 V	34.5 W	37.4 W	165 mA	77 °C	-20 ... +70 °C
LC 40/75-400/230 bDW NF h16 PRE4	200 mA	45 V	200.0 V	40.0 W	43.2 W	191 mA	77 °C	-20 ... +65 °C
LC 40/75-400/230 bDW NF h16 PRE4	250 mA	45 V	160.0 V	40.0 W	43.4 W	191 mA	80 °C	-20 ... +65 °C
LC 40/75-400/230 bDW NF h16 PRE4	300 mA	45 V	133.3 V	40.0 W	43.5 W	192 mA	80 °C	-20 ... +65 °C
LC 40/75-400/230 bDW NF h16 PRE4	350 mA	45 V	114.3 V	40.0 W	43.8 W	193 mA	78 °C	-20 ... +60 °C
LC 40/75-400/230 bDW NF h16 PRE4	400 mA	45 V	100.0 V	40.0 W	44.0 W	194 mA	78 °C	-20 ... +60 °C

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

② Depending on the selected output current.

③ Valid for immediate change of power supply type otherwise the starting time is valid.

④ E.I.R.P.: Equivalent Isotropically Radiated Power.

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.