## LED drivers

## Driver LC 75W 250-550mA flexC Ip EXC

excite series


## Product description

_ Constant current LED driver for luminaire installation
_ For luminaires of protection class I and protection class II
_ Adjustable output current between 250 and 550 mA via ready2mains Programmer or I-SELECT 2 plugs
_ Max. output power 75 W
_ Up to 94 \% efficiency
_ Nominal lifetime up to 100,000 h
_ 5 years guarantee (conditions at
https://www.tridonic.com/manufacturer-guarantee-conditions)

## Housing properties

_ Low profile metal casing with white cover
_ Type of protection IP20

## Interfaces

_ ready2mains (configuration via mains)
_ Terminal blocks: $0^{\circ}$ push terminals

## Functions

_ Adjustable output current in 1-mA-steps (ready2mains, I-SELECT 2)
_ Protective features (overtemperature, short-circuit, overload, noload, input voltage range)
_ Intelligent Voltage Guard (overvoltage and undervoltage monitoring)
_ Suitable for emergency escape lighting systems acc. to EN 50172

## Benefits

_ Application-oriented operating window for maximum compatibility
_ Best energy savings due to high efficiency
_ Flexible configuration via ready2mains and I-SELECT 2
_ Reliability proven by lifetime up to $100,000 \mathrm{~h}$ and 5 years
guarantee (conditions at https://www.tridonic.com/manufacturer-
guarantee-conditions)

## Typical applications

_ For linear/area lighting in office applications

## Website

http://www.tridonic.com/28001808


## Driver LC 75W 250-550mA flexC Ip EXC

excite series


Ordering data

| Type | Article number | Packaging, carton | Packaging, pallet | Weight per pc. |
| :--- | :---: | :---: | :---: | :---: |
| LC 75W 250-550mA flexC Ip EXC | $\mathbf{2 8 0 0 1 8 0 8}$ | $\mathbf{1 0 ~ p c ( s ) .}$ | $960 \mathrm{pc}(\mathrm{s})$. | 0.206 kg |


| Rated supply voltage | 220-240 V |
| :---: | :---: |
| $A C$ voltage range | $198-264 \mathrm{~V}$ |
| DC voltage range | 176-280 V |
| Mains frequency | $0 / 50 / 60 \mathrm{~Hz}$ |
| Overvoltage protection | $320 \mathrm{~V} \mathrm{AC}$, |
| Typ. rated current (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) (1) | 345 mA |
| Typ. current ( $220 \mathrm{~V}, 0 \mathrm{~Hz}$, full load) (12) | 365 mA |
| Leakage current (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) ${ }^{\text {( }}$ | $<250 \mu \mathrm{~A}$ |
| Max. input power | 81 W |
| Typ. efficiency (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) ${ }^{\text {( }}$ | 94\% |
| $\lambda$ (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) | 0.98 |
| Typ. input current in no-load operation | 23.3 mA |
| Typ. input power in no-load operation | 0.39 W |
| In-rush current (peak / duration) | $57.7 \mathrm{~A} / 217 \mu \mathrm{~s}$ |
| THD (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) | < $10 \%$ |
| Starting time (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) | < 500 ms |
| Starting time ( DC mode) | $<500 \mathrm{~ms}$ |
| Switchover time (AC/DC) ${ }^{\text {(1) }}$ | $<0.2 \mathrm{~s}$ |
| Turn off time (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$, full load) | < 50 ms |
| Output current tolerance ${ }^{\text {® }}$ | $\pm 5 \%$ |
| Max. output current peak (non-repetitive) | soutput current + $35 \%$ |
| Output LF current ripple ( $<120 \mathrm{~Hz}$ ) | $\pm 5 \%$ |
| Output P_ST_LM (at full load) | $\leq 1$ |
| Output SVM (at full load) | $\leq 0.4$ |
| 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 kV |
| Type of protection | IP20 |
| Lifetime | up to 100,000 h |
| Guarantee (conditions at www.tridonic.com) | 5 Year(s) |
| Dimensions L $\times W \times H$ | $280 \times 30 \times 21 \mathrm{~mm}$ |

## Approval marks

## |P20 $\sqrt[110]{12 m ~ E L E H[巛 ~ © ~ C E U K ~ K M ~ R o H S ~}$

## 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

## LED drivers

Linear fixed output non-SELV

## Specific technical data

| $\underset{\underset{1}{2}}{\stackrel{0}{2}}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LC 75W 250-550mA flexC Ip EXC | 250 mA | 80 V | 220.0 V | 55.0 W | 56.3 W | 251 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | - |
| LC 75W 250-550mA flexC Ip EXC | 275 mA | 80 V | 220.0 V | 60.5 W | 64.5 W | 287 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $18.18 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 300 mA | 80 V | 220.0 V | 66.0 W | 70.2 W | 311 mA | $75^{\circ} \mathrm{C}$ | $-25 . . .+60^{\circ} \mathrm{C}$ | $16.67 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 325 mA | 80 V | 220.0 V | 71.5 W | 75.1 W | 332 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $15.38 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 350 mA | 80 V | 214.3 V | 75.0 W | 80.4 W | 346 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $14.29 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 375 mA | 80 V | 200.0 V | 75.0 W | 80.2 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | 13.33 k , |
| LC 75W 250-550mA flexC Ip EXC | 400 mA | 80 V | 187.5 V | 75.0 W | 80.3 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 . . .+60^{\circ} \mathrm{C}$ | $12.50 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 425 mA | 80 V | 176.5 V | 75.0 W | 80.2 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $11.76 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 450 mA | 80 V | 166.7 V | 75.0 W | 80.2 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $11.11 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 475 mA | 80 V | 157.9 V | 75.0 W | 80.2 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 . . .+60^{\circ} \mathrm{C}$ | $10.53 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 500 mA | 80 V | 150.0 V | 75.0 W | 80.0 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 . .+60^{\circ} \mathrm{C}$ | $10.00 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 525 mA | 80 V | 142.9 V | 75.0 W | 80.1 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $9.52 \mathrm{k} \Omega$ |
| LC 75W 250-550mA flexC Ip EXC | 550 mA | 80 V | 136.4 V | 75.0 W | 80.5 W | 345 mA | $75^{\circ} \mathrm{C}$ | $-25 \ldots+60^{\circ} \mathrm{C}$ | $0.00 \mathrm{k} \Omega$ |

(1) Depending on the selected output current.
(2) Valid for Drivers with „DC new" on the label. For old version typ. current ( $220 \mathrm{~V}, 0 \mathrm{~Hz}$, full load, $50 \%$ dimming level) is 178 mA .
(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.
(6) Not compatible with I-SELECT (generation 1). Calculated resistor value.

## LED drivers

## I-SELECT 2 PLUG PRE / EXC



## Product description

_ Ready-for-use resistor to set output current value
_ Compatible with LED driver featuring l-select 2 interface; not compatible with I-SELECT (generation 1)
_ Resistor is base insulated
_ Resistor power 0.25 W
_ Current tolerance $\pm 2 \%$ additional to output current tolerance
_ Compatible with LED driver series PRE and EXC

## Example of calculation

_ R [k 2 ] = 5 V / I_out [mA] x 1000
_ E96 resistor value used
_ Resistor value tolerance $\leq 1 \%$; resistor power $\geq 0.1$ W; base
insulation necessary
_ When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

## Website

http://www.tridonic.com/28001106


Ordering data

| Type | Article number | Colour | Marking | Current | Resistor value | Packaging, bag | Weight per pc. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I-SELECT 2 PLUG 250MA BL | 28001106 | Blue | 0250 mA | 250 mA | $20.00 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 275MA BL | 28001107 | Blue | 0275 mA | 275 mA | $18.20 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 300MA BL | 28001108 | Blue | 0300 mA | 300 mA | $16.50 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 325MA BL | 28001109 | Blue | 0325 mA | 325 mA | $15.40 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 350MA BL | 28001110 | Blue | 0350 mA | 350 mA | $14.30 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 375MA BL | 28001111 | Blue | 0375 mA | 375 mA | $13.30 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 400MA BL | 28001112 | Blue | 0400 mA | 400 mA | $12.40 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 425MA BL | 28001251 | Blue | 0425 mA | 425 mA | $11.80 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 450MA BL | 28001113 | Blue | 0450 mA | 450 mA | $11.00 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 475MA BL | 28001252 | Blue | 0475 mA | 475 mA | $10.50 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 500MA BL | 28001114 | Blue | 0500 mA | 500 mA | $10.00 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 525MA BL | 28001960 | Blue | 0525 mA | 525 mA | $9.53 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG 550MA BL | 28001115 | Blue | 0550 mA | 550 mA | $9.09 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |
| I-SELECT 2 PLUG MAX BL | 28001099 | Blue | MAX | MAX | $0.00 \mathrm{k} \Omega$ | $10 \mathrm{pc}(\mathrm{s})$. | 0.001 kg |

## LED drivers

Linear fixed output non-SELV

## 1. 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 for use in central battery systems
According to EN 60598-2-22 suitable for emergency lighting installations

## 2. Thermal details and lifetime

### 2.1 Expected lifetime

Expected lifetime

| Type | Output current | ta | $\mathbf{4 0}{ }^{\circ} \mathrm{C}$ | $\mathbf{5 0}{ }^{\circ} \mathrm{C}$ | $\mathbf{5 5}^{\circ} \mathrm{C}$ | $\mathbf{6 0}{ }^{\circ} \mathrm{C}$ |
| :--- | :---: | :--- | :---: | :---: | :---: | :---: |
| LC 75W 250-550mA flexC Ip EXC | $250-550 \mathrm{~mA}$ | tc | $55^{\circ} \mathrm{C}$ | $65^{\circ} \mathrm{C}$ | $70^{\circ} \mathrm{C}$ | $75^{\circ} \mathrm{C}$ |
|  |  | Lifetime | $>100,000 \mathrm{~h}$ | $>100,000 \mathrm{~h}$ | $>100,000 \mathrm{~h}$ | $50,000 \mathrm{~h}$ |

The LED Driver is designed for a lifetime stated above under reference conditions and with a failure probability of less than $10 \%$.

The relation of tc to ta temperature depends also on the luminaire design
If the measured tc temperature is approx. 5 K below tc max., ta temperature should be checked and eventually critica components (e.g. ELCAP) measured. Detailed information on request

## 3. Installation / wiring

### 3.1 Circuit diagram



### 3.2 Wiring type and cross section

Solid wire with a cross section of $0.5-1.5 \mathrm{~mm}^{2}$. Strip $8-9 \mathrm{~mm}$ of insulation from the cables to ensure perfect operation of terminals

LED module/LED Driver/supply
wire preparation
$0.5-1.5 \mathrm{~mm}^{2}$

3.3 Loose wiring


Loosen wire through twisting
and pulling or using a $\varnothing 1 \mathrm{~mm}$
release tool

## LED drivers

Linear fixed output non-SELV

### 3.4 Wiring guidelines

- Run the secondary lines separately from the mains connections and lines to achieve good EMC performance.
- The max. secondary cable length is 2 m ( 4 m circuit).
- For good EMC performance, keep the LED wiring as short as possible
- Secondary switching is not permitted.
- The LED Driver has no inverse-polarity protection on the secondary side. Wrong polarity can damage LED modules with no inverse-polarity protection.
- Wrong wiring of the LED Driver can lead to malfunction or irreparable damage.
- To avoid the damage of the Driver, the wiring must be protected against short circuits to earth (sharp edged metal parts, metal cable clips, louver, etc.).


### 3.5 Hot plug-in

Hot plug-in is not supported due to residual output voltage of $>0 \mathrm{~V}$
If a LED load is connected, the device has to be restarted before the output will be activated again.
This can be done via mains reset.

### 3.6 Earth connection

The earth connection is conducted as protection earth (PE). If the LED Driver will be earthed, protection earth (PE) has to be used. There is no earth connection required for the functionality of the LED Driver.
Earth connection is recommended to improve following behaviour:

- Electromagnetic interferences (EMI)
- Transmission of mains transients to the LED output

In general it is recommended to earth the LED Driver if the LED module is mounted on earthed luminaire parts respectively heat sinks and thereby representing a high capacity against earth.

### 3.7 I-SELECT 2 resistors connected via cable

For details see:
http://www.tridonic.com/com/en/download/technical/LCA_PRE_LC_EXC_ProductManual_en.pdf.

## 4. Electrical values

### 4.1 Operating window



Make sure that the LED Driver is operated within the given window under all operating conditions. Coming below the specified minimum output voltage of the LED Driver may cause the device to shut-down.

Make sure that the LED Driver is operated within the given window under all operating conditions. Special attention needs to be paid at dimming and DC emergency operation as the forward voltage of the connected LED modules varies with the dimming level, due to the implemented amplitude dimming technology. Coming below the specified minimum output voltage of the LED Driver may cause the device to shut-down.
See chapter "0.7 DC emergency operation" for more information.

### 4.2 Efficiency vs load


4.3 Power factor vs load

4.4 THD vs load (without harmonic < 5 mA or $0.6 \%$ of the input current)

$\begin{array}{ll}\text { _一 ——— } & 250 \mathrm{~mA} \\ \mathbf{Z} & 400 \mathrm{~mA}\end{array}$

-     -         -             -                 -                     - 550 mA

100 \% load corresponds to the max. output power (full load) according to the table on page 2.

### 4.5 Maximum loading of automatic circuit breakers in relation to inrush current

| Automatic circuit breaker type | C10 | C13 | C16 | C20 | B10 | B13 | B16 | B20 | Inrush current |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Installation Ø | $1.5 \mathrm{~mm}^{2}$ | $1.5 \mathrm{~mm}^{2}$ | $2.5 \mathrm{~mm}^{2}$ | $2.5 \mathrm{~mm}^{2}$ | $1.5 \mathrm{~mm}^{2}$ | $1.5 \mathrm{~mm}^{2}$ | $2.5 \mathrm{~mm}^{2}$ | $2.5 \mathrm{~mm}^{2}$ | $I_{\text {max }}$ | time |
| LC 75W 250-550mA flexC Ip EXC | 10 | 13 | 16 | 21 | 6 | 8 | 10 | 12 | 57.7 A | $217 \mu \mathrm{~s}$ |

This are max. values calculated out of inrush current! Please consider not to exceed the maximum rated continuous current of the circuit breaker. Calculation uses typical values from ABB series S 200 as a reference.
Actual values may differ due to used circuit breaker types and installation environment.

### 4.6 Harmonic distortion in the mains supply (at $230 \mathrm{~V} / 50 \mathrm{~Hz}$ and full load)

 in \%|  | THD | 3. | 5. | 7. | 9. | 11. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LC 75W 250-550mA flexC Ip EXC | $<10$ | $<7$ | $<5$ | $<5$ | $<4$ | $<3$ |

## 5. Interfaces / communication

### 5.1 Configuration input ready2mains (L, N)

The digital ready2mains protocol is modulated onto the mains signal which is wired to the mains terminal ( L and N ).

## 6. Functions

### 6.1 Function: adjustable current

The output current of the LED Driver can be adjusted in a certain range. For adjustment there are two options available.

Option 1: I-SELECT 2
By inserting a suitable resistor or third party resistor into the I-SELECT 2 interface, the current value can be adjusted. The relationship between output current and resistor value can be found in the chapter
"Accessories I-SELECT 2 Plugs".

Please note that the resistor values for I-SELECT 2 are not compatible with I-SELECT (generation 1). Installation of an incorrect resistor may cause irreparable damage to the LED module(s).

Resistors for the main output current values can be ordered from Tridonic (see accessories).

Option 2: ready2mains
Adjustment is done by the ready2mains programmer and the corresponding configuration software (see ready2mains documentation).


Current adjustment can only be done five times over ready2mains. To program the LED Driver a connected load is necessary that is within the operating window of the LED Driver.

The priority for current adjustment methods is I-SELECT 2 followed by ready2mains (lowest priority).

## 6.2 ready 2 mains - configuration

The ready2mains interface enables the configuration of the mostly used parameters via the mains wiring.
In the case of EXC LED Driver, it is the LED output current as well as an optional lockbit to prevent any accidental configuration at a later stage.

The configuration is done via the ready2mains Programmer, either directly at the Programmer itself or via a respective software tool. For details on the configuration via ready2mains see the technical information of the Programmer and its tools.

### 6.3 Short-circuit behaviour

In case of a short-circuit at the LED output the LED output is switched off. After restart of the LED Driver the output will be activated again. The restart can be done via mains reset.

### 6.4 No-load operation

The LED Driver will not be damaged in no-load operation. The output will be deactivated and is therefore free of voltage. If a LED load is connected the device has to be restarted before the output will be activated again.

### 6.5 Overload protection

If the maximum load is exceeded by a defined internal limit, the LED Driver turns off the LED output. After restart of the LED Driver the output will be activated again.
The restart can be done via mains reset.

### 6.6 Overtemperature protection

The LED Driver is protected against temporary thermal overheating. If the temperature limit is exceeded the output current of the LED module(s) is reduced. The temperature protection is activated above tc max.
The activation temperature differs depending on the LED load. On DC operation this function is deactivated to fulfill emergency requirements.

### 6.7 DC emergency operation

The LED Driver is designed to operate on DC voltage and pulsed DC voltage.
Light output level in DC operation is $100 \%$ (cannot be adjusted, $\mathrm{EOF}_{\mathrm{i}}=0.95$ ).

The voltage-dependent input current of Driver incl. LED module is depending on the used load.

The nominal voltage-dependent no-load current of Driver (without or defect LED module) is for:
AC: $<23 \mathrm{~mA}$ (at $230 \mathrm{~V}, 50 \mathrm{~Hz}$ )
DC: $5-7 \mathrm{~mA}$ (at $186-275 \mathrm{~V}, 0 \mathrm{~Hz}$ )

Linear fixed output non-SELV

### 6.8 Intelligent Voltage Guard

Intelligent Voltage Guard is the name of the electronic monitoring of the mains voltage. It immediately shows if the mains voltage rises above certain thresholds. Measures can then be taken quickly to prevent damage to the LED Driver.

- If the mains voltage rises above approx. 280 Vrms (voltage depends on the LED Driver type), the LED light starts flashing on and off.
- To avoid a damage of the LED Driver the mains supply has to be switched off at this signal.


## 7. Miscellaneous

### 7.1 Insulation and electric strength testing of luminaires

Electronic devices can be damaged by high voltage. This has to be considered during the routine testing of the luminaires in production.

According to IEC 60598-1 Annex Q (informative only!) or ENEC 303-Annex A, each luminaire should be submitted to an insulation test with 500 V dc for one second. This test voltage should be connected between the interconnected phase and neutral terminals and the earth terminal.
The insulation resistance must be at least $2 \mathrm{M} \Omega$.

As an alternative, IEC 60598-1 Annex $Q$ describes a test of the electrical strength with 1500 V AC (or $1.414 \times 1500$ V dc). To avoid damage to the electronic devices this test must not be conducted.

### 7.2 Conditions of use and storage

| Humidity: | $5 \%$ up to max. $85 \%$, <br> not condensed <br> (max. 56 days/year at $85 \%$ ) |
| :--- | :--- |
| Storage temperature: | $-40^{\circ} \mathrm{C}$ up to max. $+80^{\circ} \mathrm{C}$ |

The devices have to be acclimatised to the specified temperature range (ta) before they can be operated

The LED Driver is declared as inbuilt LED controlgear, meaning it is intended to be used within a luminaire enclosure.
f the product is used outside a luminaire, the installation must provide suitable protection for people and environment (e.g. in illuminated ceilings)

### 7.3 Maximum number of switching cycles

All LED Driver are tested with 50,000 switching cycles.
The actually achieved number of switching cycles is significantly higher

### 7.4 Additional information

Additional technical information at www.tridonic.com $\rightarrow$ Technical Data

Lifetime declarations are informative and represent no warranty claim No warranty if device was opened.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for LED Power Supplies category:
Click to view products by Tridonic manufacturer:
Other Similar products are found below :
PIFC-K250F PITB-K222A AC-A60VD24H2.5 ALD-514012PJ134 PWD-60-1-70-P EUG-200S210DT ESS030W-1050-21 BPOXL 4-12035 ESS010W-0180-42 ESS010W-0350-24 ESS010W-0200-42 SLM140W-1.05-130-ZA ESS015W-0700-18 HVG-240-48AB HVG-24054AB OTE 25/220-240/700 PC DAL30W-0600-42-T HVG-320-48AB CNB30W-0600-42-CAS 87500757 I-SELECT 2 PLUG 2100MA BL LCU 48V 75W DC-STR FO LC 45 W 500-1400 MA FLEXC SC EXC I-SELECT 2 PLUG 2000MA BL LC 50/200-350/170 FLEXCC LP SNC3 LCO 14/100-500/38 O4A NF C EXC3 LC 28W 300-700MA 42 FLEXC NF SC EXC3 LC 44/1050/42 FIXC SRL ADV2 LCA 60W 900-1750MA ONE4ALL C PRE LC 8/180/44 FIXC SR SNC2 LC 19/200-350/54 FLEXC LP SNC4 BXDR-PS-75BS-E116D-01-A LC 30/500/54 FIXC SR SNC2 LCA 60W 24V ONE4ALL SC PRE SP LC 60W 75-330MA 310V FLEXC NF H16 EXC4 LC 8/180/42 FIXC PC SR SNC2 LC 10/350/29 FIXC SR SNC2 LC 25/500/43 FIXC SR SNC2 LC 50/100-400/140 PO4A NF H16 PRE3 LC 25/600/42 FIXC SRL ADV2 LCO 24/200-1050/39 NF C ADV3 ELEMENT 35/220...240/900 G3 LC 25W 350-1050MA FLEXC SR EXC LC 60/700/86 FIXC SR SNC2 LC 35W 24 ONE4ALL IP PRE BXDR-PS-25BS-E107D-01-A LC 17W 250-700MA FLEXC SR EXC LC 15W 350MA FIXC C SNC LC 14W 700MA FIXC PC SR SNC2 LC 200W 24V SC SNC

