

LET200 - LE200

EMERGENCY LIGHTING KIT FOR LED: INSTALLATION GUIDE

The electronic units for emergency lighting are suitable for power LED or LED modules. They can be used indifferently for maintained (In combination with LED electronic driver), or emergency operation.

All the models have sealed NiCd batteries able to guarantee high efficiency with high temperatures. The electronic units can be put on a false ceiling or on a ceiling lamp, module, channel, thus allowing any light spot to be qualified for emergency in a simple and quick way, where needed.

The electronic devices are designed according to: EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN61000-3-2, SELV.

IMPORTANT: Always read the present instruction leaflet.

- For the wiring please refer to enclosed wiring diagrams.
- Great attention must be paid to polarity during the installation of the battery.
- Keep batteries away from heat sources (away from electronic driver or LED source).
- In order to check the correct functionality we recommend a charging of about 30 hours.
- This system is made to be powered only with the supplied batteries: do not connect any external battery charger.
- It is advisable to effect periodically (every 3 months) at least one discharge and charge cycle in order to assure the max efficiency.
- Replace the batteries every 4 years.
- Before every maintenance operation, disconnect all mains.
- This product contains materials which could be toxic if improperly disposed in the environment.
- keep this instruction leaflet for any further reference.

ATTENTION: This unit should only be used for purposes for which it has been intended and should be installed using the instructions which are provided. The manufacturer cannot be held liable for damages to person, animals or objects as a result of improper, unreasonable and wrong usage.

LEF LIGHTING

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Technical characteristics:

- supply voltage: 220± 240V ~ 50/60Hz
- supply current: 20mA - cos φ 0.6
- max case temperature: 70°C
- ambient temperature: 5+ 50°C
- recharging time: 24h
- terminals max connection size: 1.5mm²
- Connected to power supplies 400V maximum output voltage; 0,7A maximum output current
- charging device with supply is reinforced insulation able to recharge the battery normally after the test in clause 22.3 of the IEC 61347-2-7:2007

LET20071 - LE20071 - 1h - Batt. NiCd 7,2V-1,6Ah

LET20074/3 - 3h - 2X Batt. NiCd 3,6V-4Ah

LE20074/3 - 3h - Batt. NiCd 7,2V-4Ah

work voltage in emergency	Work current in emergency
58 - 200V	88 - 25mA

ATTENTION

To not cause led damage, please connect following this order: 1) led source; 2) battery cable; 3) mains connection

Do not disconnect and connect the led source during emergency operation

WIRING

Led source out: connect LED source to the OUT terminal (always respect cable polarity).

Battery: connect battery to BATT. Terminal.

Direct Line (Charge): connect the terminals 1 - 2 (L - N) to the mains that must never be disconnected (battery charge). When there is a decrease in mains voltage the emergency automatically starts working.

External driver LED connection - maintained: Connect the terminal (+) and (-) PWR to external driver (always respect polarity).

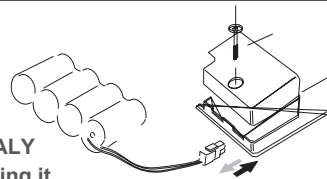
External driver LED connection - Interrupted (LED Driver): connect the terminal L1 - N1 to interrupted line (main driver).

In case of connection to a single-pole switch, it is necessary to interrupt always the phase in order to avoid residual luminescence.

Led indicator: shows the presence of mains and battery in charge. It must always remain connected to device in a visible place outside near the lamp qualified for the emergency.

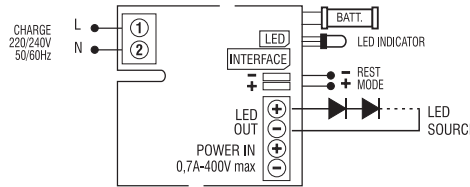
BATTERY REPLACEMENT

Sealed NiCd batteries. To replace batteries follows the instructions. Use only original batteries. Do not discard in the environment. Return to manufacturer.

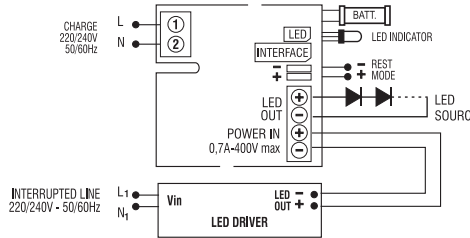


LET200 - WIRING DIAGRAM

non-maintained (emergency only)

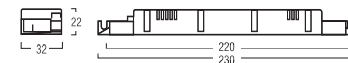


maintained (ordinary lighting)

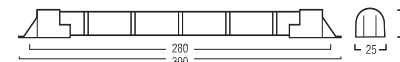


DIMENSIONS AND WEIGHT

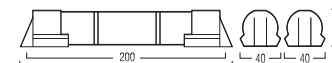
LET200 - 0,13 Kg



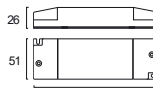
1h - 7,2V-1,6Ah | 0,30 Kg



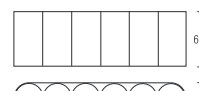
3h - 2 x 3,6V-4Ah | 0,75



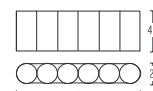
LE200 - 0,13 Kg



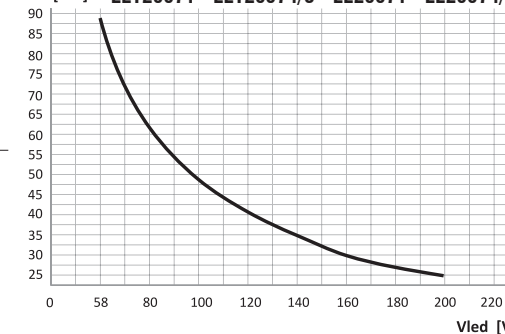
7,2V-4Ah | 0,75 Kg



7,2V-1,6Ah | 0,30 Kg

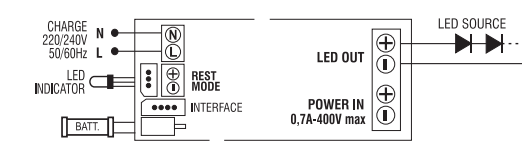


ILED [mA] LET20071 - LET20074/3 - LE20071 - LE20074/3

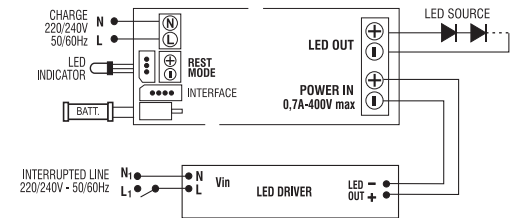


LET200 - WIRING DIAGRAM

non-maintained (emergency only)



maintained (ordinary lighting)

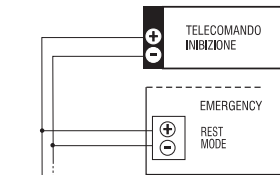


INHIBITIONS WIRING DIAGRAMS

Rest mode facility

REMOTE CONTROL DEVICE

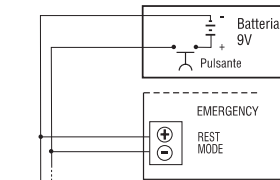
It allows both to switch off and switch on the emergency lamps during emergency mode. The rest mode is automatically resetted when mains voltage is restored.



PUSH BUTTON AND BATTERY

It allows only to switch to "rest mode" during emergency mode, using a remote push button and 9V battery.

The rest mode, in accordance with Standards prescriptions, is automatically resetted when mains voltage is restored.



FLUX CHART

The graph indicates the values of current supplied by the electronic unit during emergency operation, in relation to the Vf (forward voltage) of the LEDs.

ELECTRONIC CONTROL GEAR WITH REINFORCED INSULATION



MADE IN ITALY AEE identification nr.IT1804000010321