SERIES **BKIT**

EMERGENCY LIGHTING KIT FOR COMPACT AND LINEAR LAMPS: **INSTALLATION GUIDE**

The **LEF** electronic units for emergency lighting can be used indifferently for maintained (in combination with a magnetic or electronic ballast) or non-maintained application in intermittent operation.
All the models have sealed Ni-Cd batteries able to guarantee high efficiency with high temperatures.
The **LEF** can be put on a false ceiling or an a ceiling lamp, module, channel, thus allowing any light spot to be qualified for emergency in a simple and quick way, where needed.
The **LEF** electronic devices are designed according to EN60925, EN61347-1, EN61347-2-7.

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 magnetic ballast)
- 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 or after 500 charge/discharge cycles
- 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.

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Made in Italy

www.lef.it

Technical characteristics:

- supply voltage: 230/240V - 50/60Hz
- supply current: 40mA max cosφ0.9
- operating frequency: 20 ÷ 45Khz
- max case temperature: 70°C
- ambient temperature: 0 ÷ 50°C (5 ÷ 50° **BKIT5844/3**)
- recharging time: 24h
- max distance between inverter and lamp: 2m
- terminals max connection size: 1.5mm²
- charging device with main insulation able to recharge the battery normally after the test in paragraph 22.3 of the IEC 61347-2-7:2007-09-standard

Model	Lamp	EBLF	Autonomy	Battery current
BKIT1831	18W (G13)	10%	1h	1A
BKIT3641	18W (G13)	12%	1h	1A
	36W (G13)	8%	1h	1,1A
	58W (G13)	6%	1h	1,3A
BKIT5834	18W (G13)	15%	2h	1,5A
	36W (G13)	10%	1h	2A
	58W (G13)	7%	1h	2,4A
BKIT5844	18W (G13)	18%	2h	1,3A
	36W (G13)	12%	2h	1,75A
	58W (G13)	9%	1h	2A
BKIT5844/3	18W (G13)	9%	3h	1A
	36W (G13)	6%	3h	1,1A
	58W (G13)	4%	3h	1,2A

Mains connection:

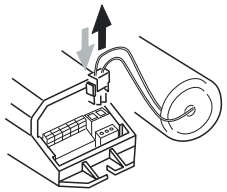
please always read the present instruction guide. Connect the terminals 1-2 (charge) to the mains that must never be disconnected; when there is a decrease in mains voltage the emergency automatically starts working.

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

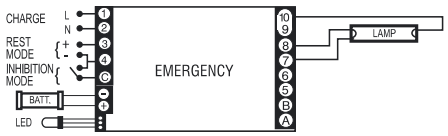
Sealed Ni-Cd batteries. To replace batteries follows the instructions. Do not discard in the environment, put it in the special container.



Wiring diagrams: tubolar lamps

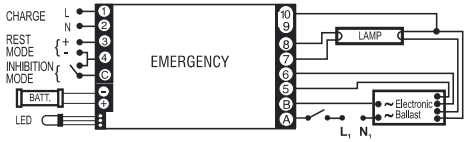
non-maintained (emergency only)

charge



maintained with electronic ballast

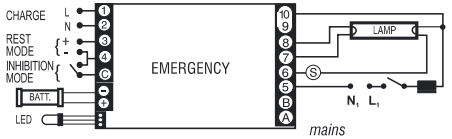
charge



mains

maintained with magnetic ballast

charge

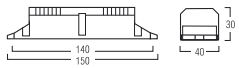


mains

For connections with any kinds of electronic ballast, please require wiring diagrams.

Dimensions and weight

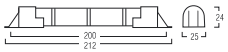
electronic unit (**all** the models)- *0,20 Kg*



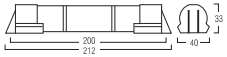
batteries:

3,6V-1,5h (**BKIT1831**) *-0,18Kg*

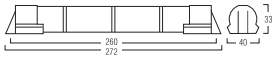
4,8V-1,5Ah (**BKIT3641**) *-0,23Kg*



3,6V-4Ah (**BKIT5834**) *-0,42Kg*

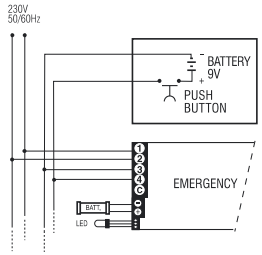


4,8V-4Ah (**BKIT5844- BKIT5844/3**) *-0,55Kg*

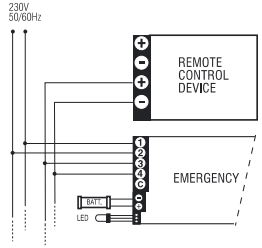


Wiring diagram: rest mode facility

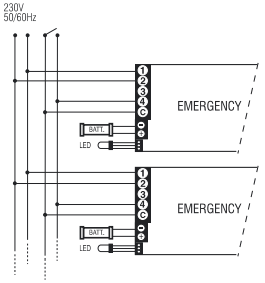
a) push button and battery



b) remote control device



c) jumper



Rest mode facility:

A) 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.

B) 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. This remote control device can be installed so as to operate several emergency units at the same time.

Inhibition mode facility:

C) JUMPER
it's possible to inhibit the emergency in presence of mains jumper for terminal 4 and C. When there is a decrease in mains voltage the emergency doesn't works. To restore the emergency mode remove the jumper.

Guarantee

LEF guarantees its products for 24 months from the date of manufacture indicated on the products. The guarantee covers all manufacturing defects. The warranty does not cover any damage caused by incorrect use that does not comply with the installation instructions. Any modification cancels the warranty and can make the product dangerous