

## INSTALLATION SHEET

Thank you for using our led emergency driver. It is recommended that luminaires are installed and fitted by a qualified electrician ensuring the installation complies to the current wiring. These instructions should be read carefully & retained after installation for future reference & maintenance.



LED tube

### INSTRUCTION:

Model: NA03-F20-T8

This emergency lighting unit is a conversion kit for operating 3-20W LED tube with internal or external LED driver in Full wattage power output emergency mode. The conversion kit is suitable for converting existing light fittings to emergency operation.

### MAIN FEATUERS

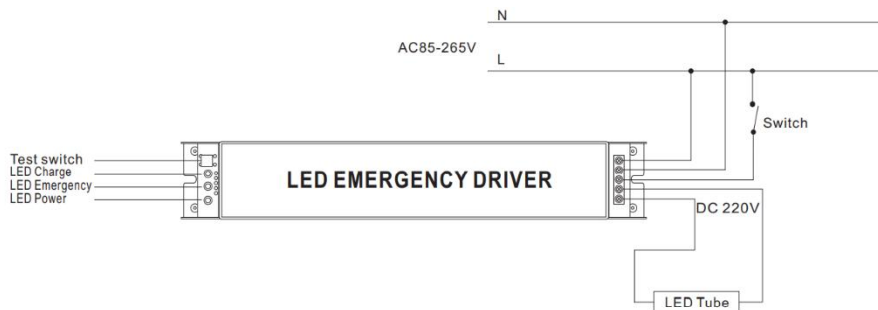
- Built-in Battery: 11.1V lithium ion 2600mAh
- Emergency time: 90mins
- Material: Aluminum Alloy
- Deep discharge protection, IC control Prevent overcharging and over discharging
- Intergrade design. Easy install and maintain

### PARAMETERS

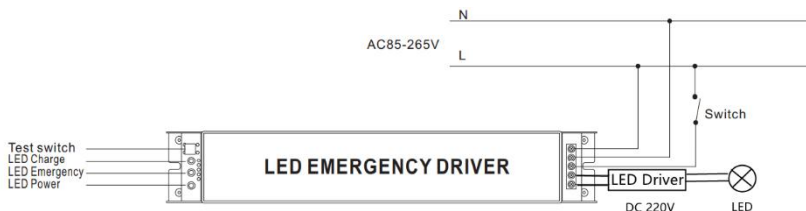
Input Voltage	85-265V 50/60HZ	Battery Type	11.1V 2600mAh Li-ion
Match Light Source	3-20W LED tube	Dimension	24.2*4.0*2.75cm
Emergency Output Power	3-20W	Protection Grade	IP20
Emergency Conversion Time	<5S	Charging time	24hours
Working Temperature	-10~50°C	Emergency time	90mins
Material	Aluminum Alloy	Warranty	3 years

### SCHEMATIC WIRING DIAGRAM

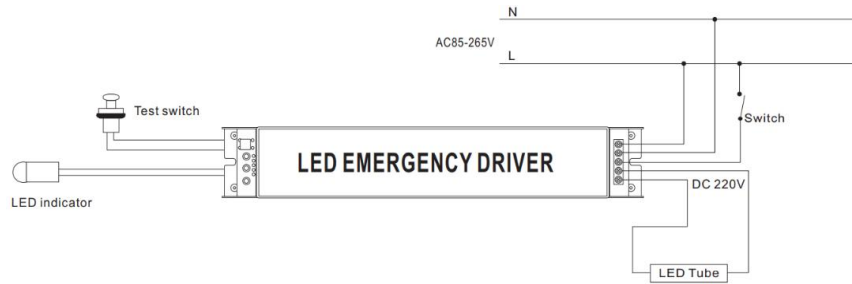
**Wiring 1: connect LED tube with internal driver**



**Wiring 2: connect LED tube with external driver**



### Wiring 3: connect LED tube with LED indicator



### INSTALLATION

Connecting method: Please find the WIRING DIAGRAM on the surface of emergency driver itself and Note: this should be operated by professional technical for your safety

Step1: Isolate mains power supply

Step2: According to our wiring diagram, connect the led emergency drivers to the led fixtures.

Step 3: Wiring off the building's electricity network. Check all of the wiring set up well.

Step 4: Open the mains power, Lights on the LED lamp switch on/off to control lights. Check the emergency function, cut off the main supply, led lamp switch to emergency output immediately.

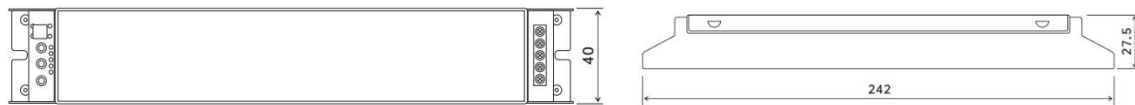
### INDICATOR:

Green LED indicator is on that shows main power is on, when emergency function, green light is off;

Red LED indicator shows battery is on charging, When battery full charged, Red LED indicator off.

Blue LED indicator: emergency function

### SIZE



### CUSTOMIZED

Pattern Design	Available, please send us your design artwork
LOGO Printing	Available on Packaging box, or sticker on the product
Packaging include	1pc*led emergency driver, 1pc* led connector, or with 1pc* indicator light line
Packaging	50pcs per carton, carton size: 44*26*17cm, carton weight: 18/19kg

### NOTICE:

When using electrical equipment, basic safety precautions should always be followed including the following:

1. Do not use outdoors.
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
4. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
5. Do not use this equipment for other than its intended use.
6. This equipment has not been investigated for use in an air-handling fixture, it is not suitable in a heated air outlet.
7. Battery: in normal occasion, please change battery when discharging time is less than 100 minutes after being charged for 24 hours or battery leakage When changing battery, cut off the main power, take apart the lamp, removing the battery plug and replace the old one with a new battery of same specification, then

the driver will be OK. Usually the lifespan of battery can be more than 3 years. Note: The positive and negative of battery should not be connected reverse, and we should avoid directly short-circuit the battery. Explosion will be caused if using mismatched battery. Please abide by local rules when discarding old battery.

8. Light source: 3-20W LED tubes with external and internal driver, please change to the same light source if light source is broken or brightness is not enough.

9. The main power supply of this emergency driver should be controlled by the light's switch, NOT influenced by the other switches.

**STORAGE:**

If the emergency driver is not used for over 3 months, it should be connected to AC power for full charging and discharging (until LED lamp is completely off). Then keeping the emergency driver on main power for 24 hours and put it in dry ventilated place.