

# V-TAC

Meaningful Innovation.

WEEE Number: 80133970

## INSTRUCTION MANUAL EMERGENCY LED DRIVER



**03** YEAR  
WARRANTY\*

**IP65**  
RATING

### COMPATIBLE HIGHBAY

23736, 23737, 23738, 23739  
(PURCHASE SEPARATELY)

### TECHNICAL DATA

SKU	23740
INPUT POWER	<4W@230Vac
INPUT VOLTAGE	198-264Vac, 50/60Hz
DC POWER	5.5W-8.0W
RATED INPUT CURRENT	0.07A Max. @230Vac
POWER FACTOR	≥0.4@230Vac
CHARGE CURRENT	250mA (MAX)
CHARGE TIME	24 hours (MAX)
OPERATING MODE	Emergency
LOAD POWER	Max.200W
LOADING TYPE	LED Driver/DOB light (input)
EMERGENCY DURATION	180min
OUTPUT CURRENT	20.0-400mA
OUTPUT VOLTAGE	10-400VDC (Recommended 20-400Vdc)

BATTERY CAPACITY	6.4V, 6.0AH
BATTERY TYPE	LiFePO4
CLASSIFICATION	Class I
INSTALLATION	Hanging mounting
DIMENSION	182*90*49mm
TERMINALS	Press;wire diameter: 0.2-0.75mm <sup>2</sup>
EMERGENCY SWITCHING TEST	Manually Test (Test Button)/Auto-test (Monthly/Annually)
ABNORMAL PROTECTION	Over-voltage, over current over temperature short circuit, and open circuit protection and limitation
OPERATING TEMPERATURE	0°C~45°C
LIFESPAN	40000 HOURS@Ta full load(not include the battery)

### INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 3 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. This product is warranted for manufacturing defects only.



#### MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code to access the manual in multiple languages.



FR

Cet appareil, ses accessoires, cordons et batteries se recyclent

À DÉPOSER EN MAGASIN



À DÉPOSER EN DÉCHÈTERIE



OU

Points de collecte sur [www.quefairedemesdechets.fr](http://www.quefairedemesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !

In case of any query/issue with the product, please reach out to us at: [support@v-tac.eu](mailto:support@v-tac.eu)  
For More products range, inquiry please contact our distributor or nearest dealers.  
V-TAC EUROPE LTD. Bulgaria, Plovdiv 4000, bul.L.Karavelow 9B

## WARNING

1. Please make sure to turn off the power before starting the installation.
2. Installation must be performed by a qualified electrician.
3. Proper grounding should be ensured throughout the installation.

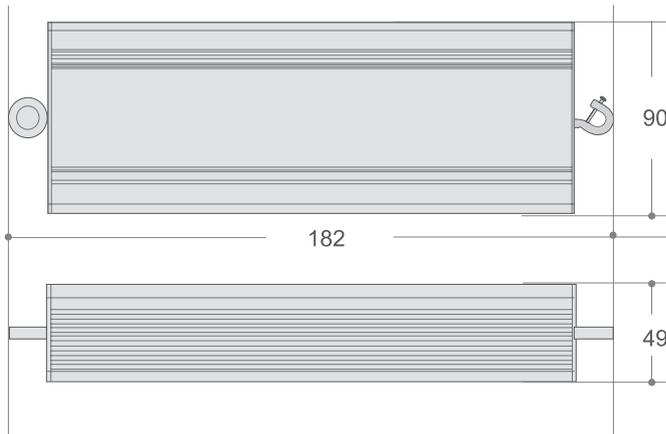


This marking indicates that this product should not be disposed of with other household wastes.



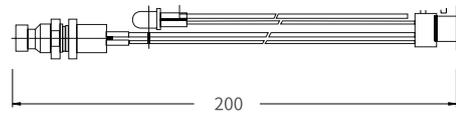
Caution, risk of electric shock.

## DIMENSION

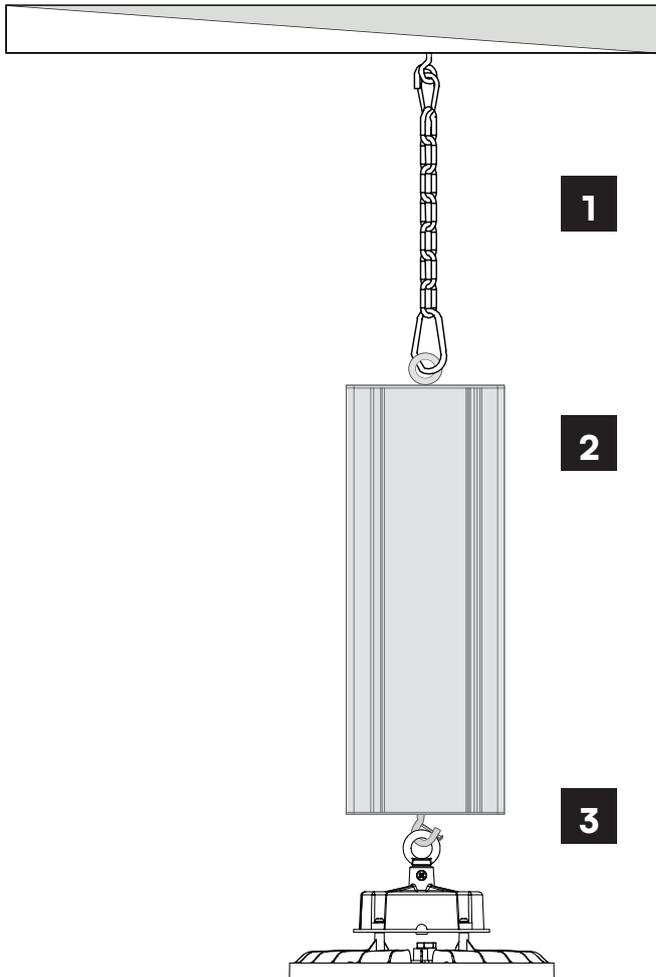


### Accessories

(Hanging Rod+Suspension)



## INSTALLATION DIAGRAM



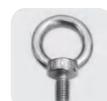
### ACCESSORIES INCLUDED



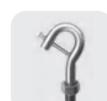
Fast connector



Cable gland



Ring



Hook

If needed buy separately

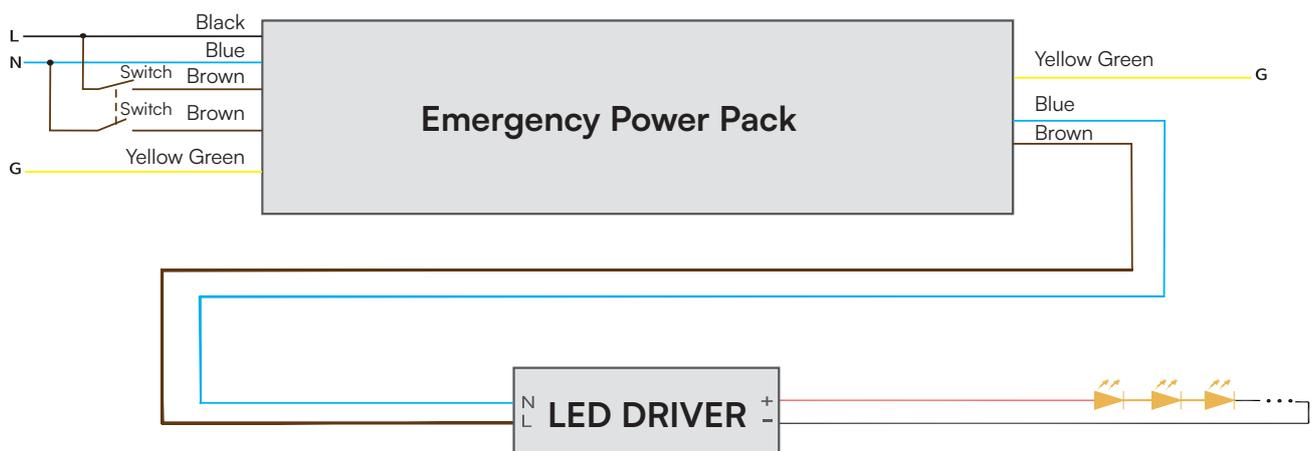
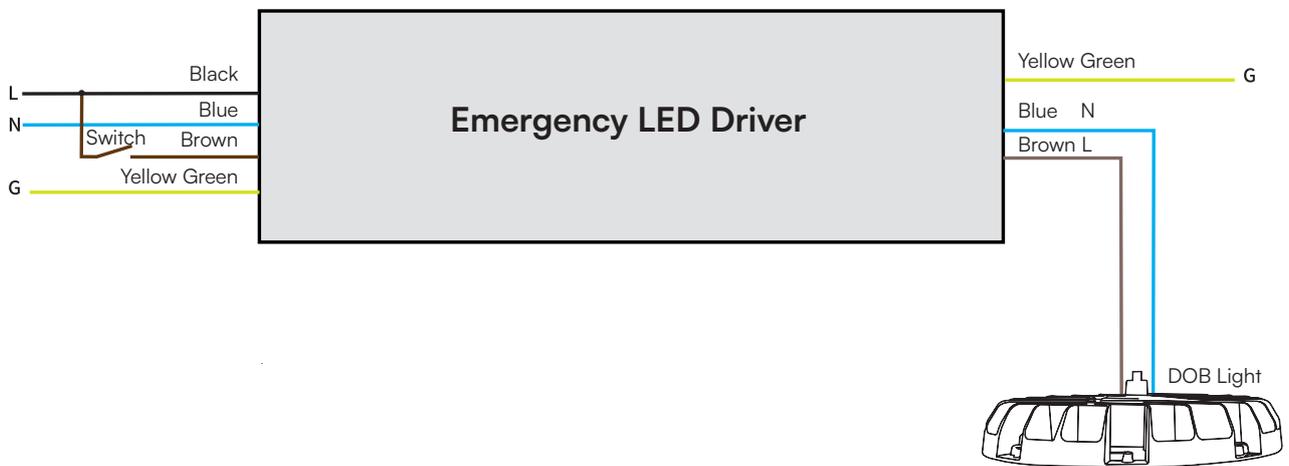


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## INSTALLATION INSTRUCTIONS

1. Turn off the power.
2. Securely hang the chain onto the roof hook.
3. Attach the chain to the emergency ring.
4. Hang the LED Highbay fixture onto the emergency hook.
5. Connect the emergency power unit to the AC supply as outlined in the provided diagram.
6. Turn on the power and test the light.

## WIRING DIAGRAM



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## INDICATOR LIGHT DESCRIPTION



Charging-Green light flashes slowly



Full charged - Green light ON



Analog Emergency Mode - Green light in breathing mode (On-off Alternation)



Real Emergency Mode (AC cut off) - Red light ON



Fault - Red light flashes quickly

## OPERATION

- After AC power connected, indicator light flashes slowly in red, battery is in charging.
- When AC main power is in fault or blackout, Emergency power kits will switch to emergency mode automatically, and supply power to the load with a rated emergency power.
- After AC main power ON, the power kits will resume to AC power supply mode, battery starts charging mode

## MAINTENANCE

- To make sure the normal operation, perform the followed test periodically would be advised:
- Visually inspect the indicator light monthly, it should be green and keep ON after connected to AC main power
- Switch off the AC main power to perform 60 seconds discharging monthly.
- Perform a fully discharging annually.

## CAUTION

- The battery should be charged & discharged once every six months (undernormal condition).
- Do not connect the battery to the circuit when it is not in use to prevent battery overdischarge due to self-consumption of the circuit board.
- The storage temperature should range from 0 to 35°C and the humidity should be less than 85% to avoid shortening the battery storage time.
- For lithium batteries that are not used for along time, it is recommended to discharge them at least once every 6months.
- Avoid mechanical shock to the battery.
- Avoid putting the battery near the fire or trying to remove it. The electrolyte in the battery is strong alkaline, which will damage the skin and clothes.
- Ensure that the battery polarity+/- are insulated to prevent short circuit.

RoHS



UK  
CA



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## FUNCTIONS

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FUNCTION	DESCRIPTION
Auto-test Function	<ul style="list-style-type: none"><li>When AC main power is in fault or blackout, Emergency power kits will switch to emergency mode automatically, and supply power to the load with a rated emergency power.</li></ul>
Initially auto-test setting	<ul style="list-style-type: none"><li>When the power kits is connected to the AC main power correctly, it will conduct the initially test. If there is any abnormality, Indicator light will flash quickly and resume to normal status once the abnormality is corrected</li></ul>
Auto-test settings after Installation	<ul style="list-style-type: none"><li>The first automatic monthly test will be conducted within 24 hours, and monthly test will be conducted every 30 days thereafter. If there is a power failure during the course, the timing will be restarted, The simulated emergency time is about 60 seconds per month. When entering the simulated monthly test mode, the device can be smoothly transferred to the emergency mode, and it can be normally transferred to the charging mode after the time is over</li><li>Annual auto-test is conducted every 52 weeks after the first power-on.</li><li>The device will be fully charged and discharged every 52 weeks after initial power-on and continuous charging for 24 hours until full charged, and the timing will be restarted if there is any power outage midway. When entering the simulation annually test mode the device can be smoothly transferred to the emergency mode. the green indicator shows breathing-off (alternation), and the time can be normally transferred to the charging mode the mode, and the battery voltage should not be lower than the over-discharge protection value. (If there is low voltage, it means that the battery is seriously attenuated, and needs to be replaced. At the same time, the indicator shows a red flash signal to remind maintenance personnel.</li></ul>
Manually Test	<ul style="list-style-type: none"><li>Press the test button twice within 3 seconds to force a 60-second monthly test. After the test is completed, the next (30 days) monthly test will be calculated from the same day.</li><li>Press the test button three times consecutively within 3 seconds to force a 180-minute annual test. After the test is completed, the next (52 week) annual test will be counted from the same day</li><li>During any manual test, hold down the test button for more than 3 seconds to terminate the manual test.</li></ul>

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