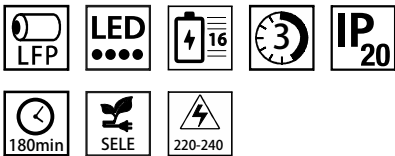
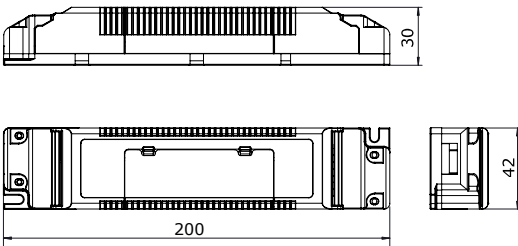


Remote Emergency Pack for LED Luminaires YH26 Series Self-test



Dimension

L200×W42×H30 mm



Product description

- Self-test function.
- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with Lithium iron phosphate battery.
- Suits for LED fitting with external led driver.
- Accessory: test switch and charge indicator.

Applications

- Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit. LED fitting would be non-maintained emergency fitting if only emergency conversion module and battery are retained in the circuit.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Connector between emergency kit and battery has the function of polarity reversal protection.
- Ambient range t_a 0...50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact live parts.
- Not intended for use in luminaires for high-risk task area lighting.

Relevant standard

- IEC 61347-1
- IEC 61347-2-7
- EN 62034
- EN 55015
- EN 61547
- EN 61000-3-2
- EN 61000-3-3
- EN 62493
- AS/NZS 60598-2-22
- AS2293.3

Ordering data

Model No.:	Input voltage	Output voltage/power (Emergency mode)	Battery pack	Duration (E.M mode)
YH26-2032050Li	220-240Vac 50-60Hz	20-50Vdc 2W cp	LiFePO4 3.2V 3.3Ah	180minutes
YH26-203H300Li	220-240Vac 50-60Hz	50-300Vdc 2W cp	LiFePO4 3.2V 3.3Ah	180minutes

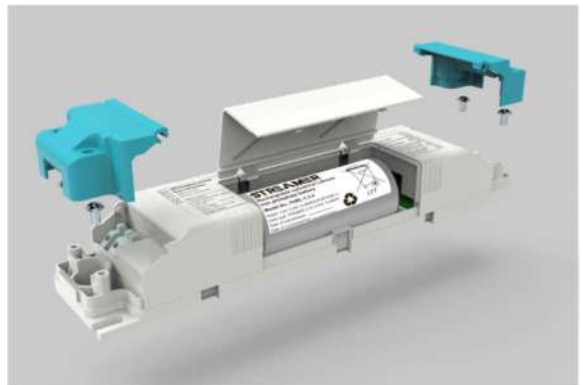
*cp: Constant power



Remote Emergency Pack for LED Luminaires YH26 Series Self-test

Technical data

- Input rated voltage: 220-240V AC, 50-60Hz
- AC input current: 30mA max
- AC Input power rated 3.5 W max
- Power factor: >0.5
- Charge time : 24 hours
- Charge mode: trickle re-charging on battery.
- Output emergency power 2, DC20...50V (6-15 LEDs) DC50-300V(16-100 LEDs), constant power output.
- Output voltage : DC20...50V, DC55V max(SELV)
DC50...300V, DC350V max (Non SELV)
- Battery capacity (LiFePO4) 3300mAh
- Battery Charging Current: 0-250mA
- 3 hours rated duration
- Max. casing temperature t_c 70°C
- Lumen Factor: 140lm/Wattage
- Reinforced insulation between main supply and the battery circuit.
- This unit can recharge the battery normally after reconnecting of battery.



* There is a battery box in the driver, where users could replace the battery pack .
But users have to use our battery pack modules.

Battery information

Technical data(battery cells)

Battery model	IFR18650-3300
Battery voltage per cell	3.2V
Battery capacity per cell	3300mAh
Battery case temperature	0...60°
Max short term temperature	70°

Notes.

If users would like to change the batteries pack, please use the nominated models of STREAMER , then it will be under the warranty .

Self-test function

The self-test of YH26 series covers function testing and duration test. Function test refers to charging, discharging and the working situation of load, and duration test mainly refers to the test of batteries' capacity.

Manual test is also working as default

If the main power is off when the self test happens, the emergency driver will be working with a priority immediately, until the batteries run out.

The self test will be operating again when the batteries are charged fully afterwards.

The failure mode in self-test will be maintained, until the user figures out the failure issue.

If the main power of the LED emergency driver is consistently switched on/off for 3 times, the self-test will be re-set .

Self-test is under the regulation of EN62034.

Please refer to the below chart of the working situation (working well or working failure) of the LED emergency driver. The different colors and the flashing modes of LED indicator will refer to different situations.

SelfTest

The emergency kits carry out self-tests automatically to ensure its functionality.
The self-test includes 3 types of tests:

Initial test

- As soon as mains supply is connected, the emergency kit will carry out a 3-seconds functional test automatically.
- In case of a failure, the LED will turn permanent red. Otherwise, the charge mode will start.

Functional test

- Refers to charging, discharging and the functioning of load.
- Carry out for 10 seconds automatically every 30 calendar days.

Duration test

- Refers to the test of batteries capacity.
- Carry out every 180 calendar days.

Rest mode








Rest mode can be initiated during emergency mode by pressing test switch longer than 3 seconds.
The rest mode will be exited automatically after reconnect AC mains.

Please note

If mains supply is off during self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

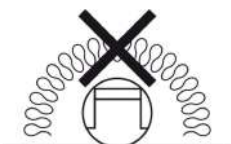
Self-test is under the regulation of EN 62034.

Explanation of LED indicator

	Color	LED indication	Status	Comment
	Green	Slow flashing green (3 sec on, 1 sec off)	Charging Mode	AC mode
	Green	Permanent green	Fully Charged	AC mode
	Green	Fast flashing green (0.1 sec on, 0.1 sec off)	Function test underway	
	Green	Slow flashing green (1 sec on, 1 sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit/ Short circuit Led failure (emergency mode)
	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
		Green and red off	DC mode	Battery operation (emergency mode)

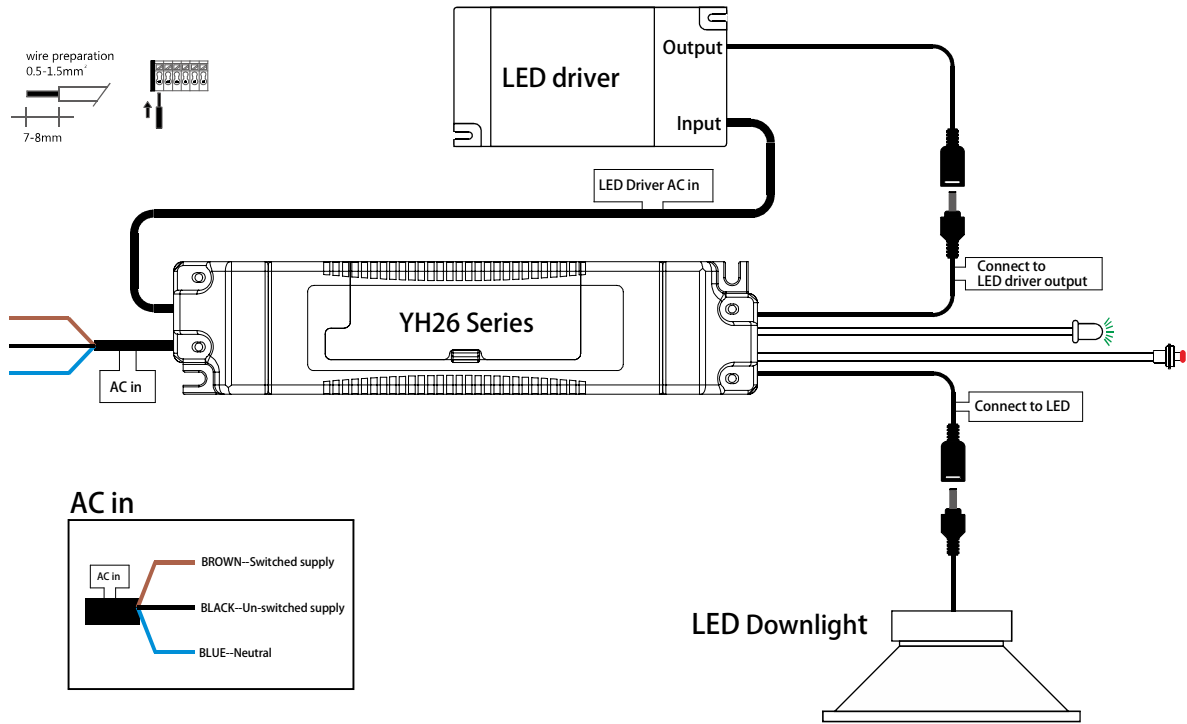
Notes:

Please do not cover this control gear .

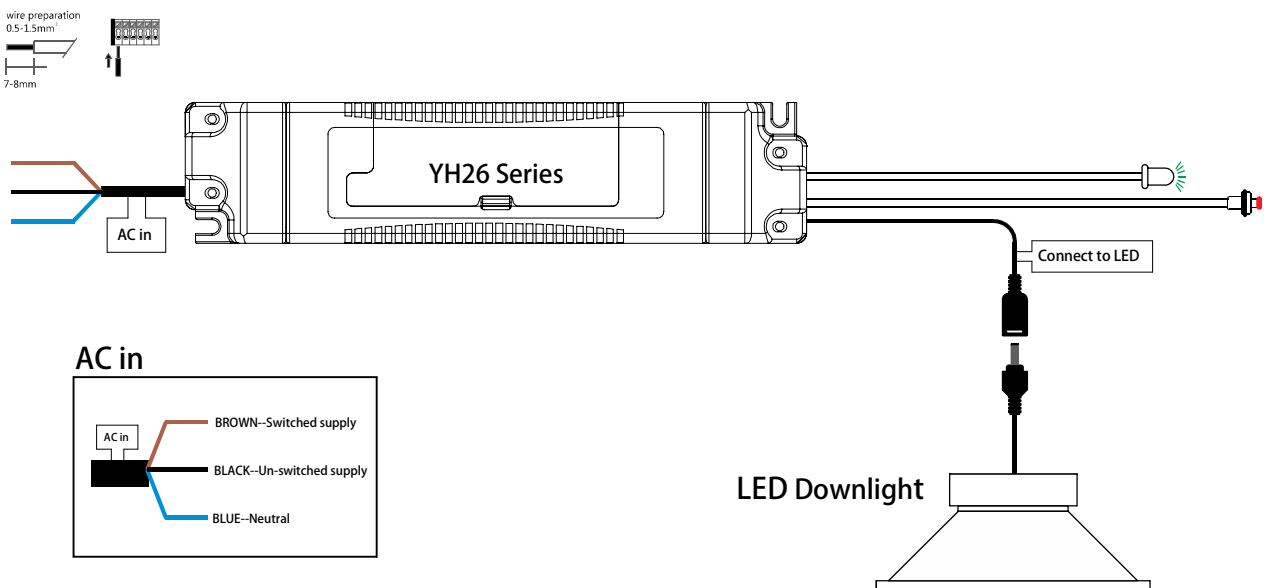


Remote Emergency Pack for LED Luminaires YH26 Series Self-test

Wiring diagram(Maintained)



Wiring diagram(Non-maintained)

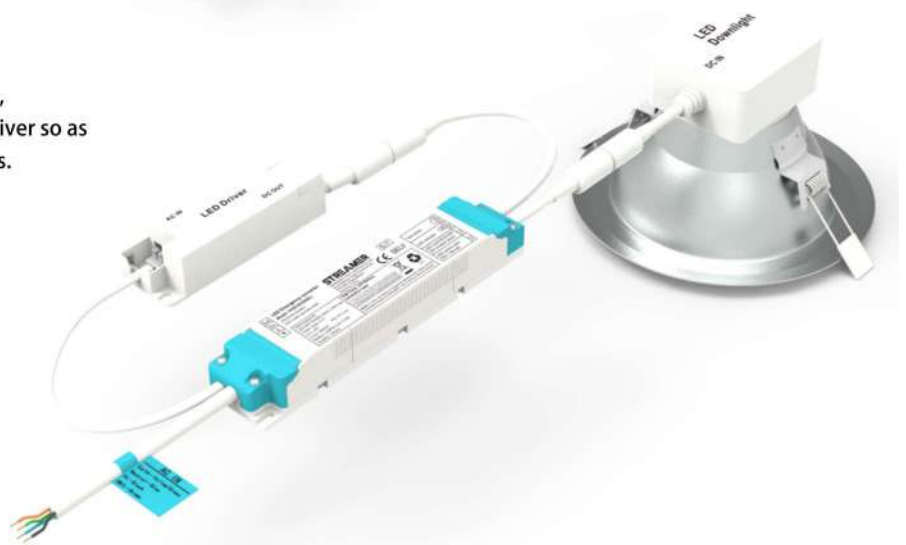


Remote Emergency Pack for LED Luminaires YH26 Series Self-test

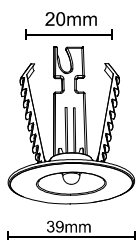
* The YH26 LED emergency driver could be working as a non-maintenance emergency light , only if people install one more proper lamp head.



* If people use YH26 as a Class 2 LED driver , please add two clips on each end of the driver so as to keep it complied with safety regulations.



Please make a 20mm cutting hole on the ceiling , where you could install the LED holder .



LED Holder



Warranty

- Warranty 3 years
- Except for the following circumstances:
 - 1) Improper installation or operation.
 - 2) Misuse.
 - 3) Abuse.
 - 4) Unauthorized or improper repair alteration.
 - 5) Accident or negligence in use, storage, transportation.
 - 6) Any natural acts.

* If users would like to change the batteries pack, please use the nominated models of STREAMER , then it will be under the warranty .