

STB27FD | 0...10V Dimming Driver lamp's driver



Battery pack

- Lithium iron phosphate battery.
- Easily replaced by hand



LED indicator

- Red and green

Test switch

- Infrared receiver



Applications

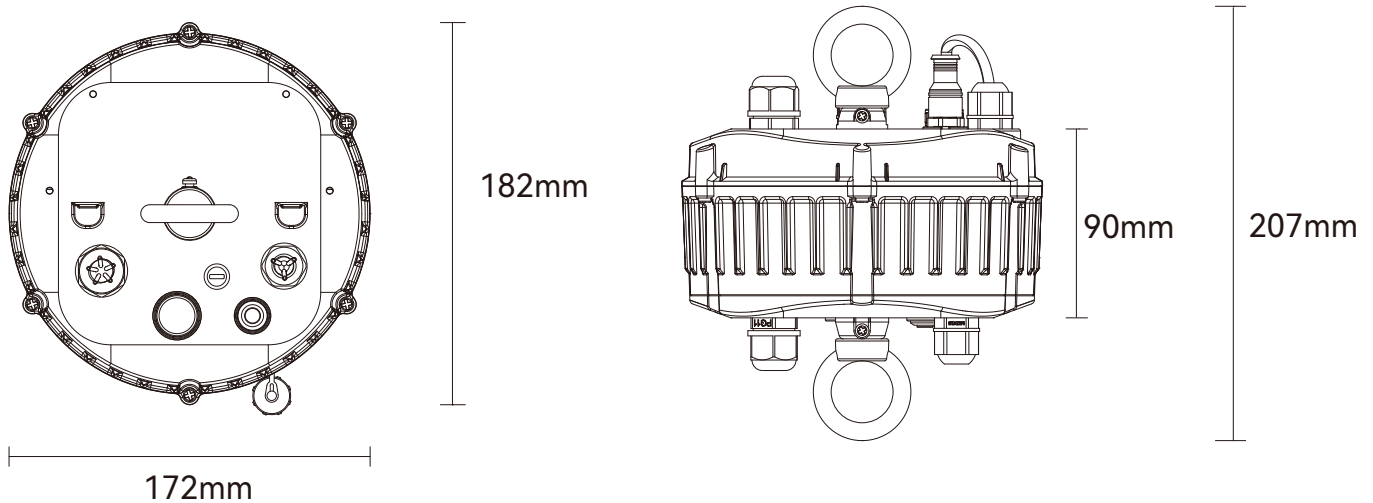
- Suit for LED high bay with 0-10V dimming function.
 - Manual test and remote control test.
 - Built-in high power AC relay to control normal led driver operation.
 - Used with Lithium iron phosphate battery.
 - 3hours duration
 - IP65 Waterproof and independent battery pack that can be easily replaced by hand. Battery pack with built-in charging and discharging protection board.
 - Both AC input as well as output and dimmer input as well as output use waterproof PG connector.
 - Ambient range ta 0....45°C
 - Standard lifting ring and safety rope.
 - Self-test function. Comply with IEC62034 self-test standard.
 - Press and hold the test switch or the test key of the remote control in the emergency mode to enter into rest mode.
- In rest mode, the battery is completely disconnected from the inverter, and the small leakage current can make its storage time longer.
- Red and green led indicator.
 - The first power-on use will enter into the function self-test to help users quickly determine the compatibility with lamps.
 - Failure hold mode.
- In the faulty mode, press test button over 15 seconds while connecting mains power after clearing faulty situation, faulty mode can be canceled, meanwhile it enters into initial mode.

Warranty

- Warranty 5 years, Battery pack 3years
- 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 .

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Dimensions



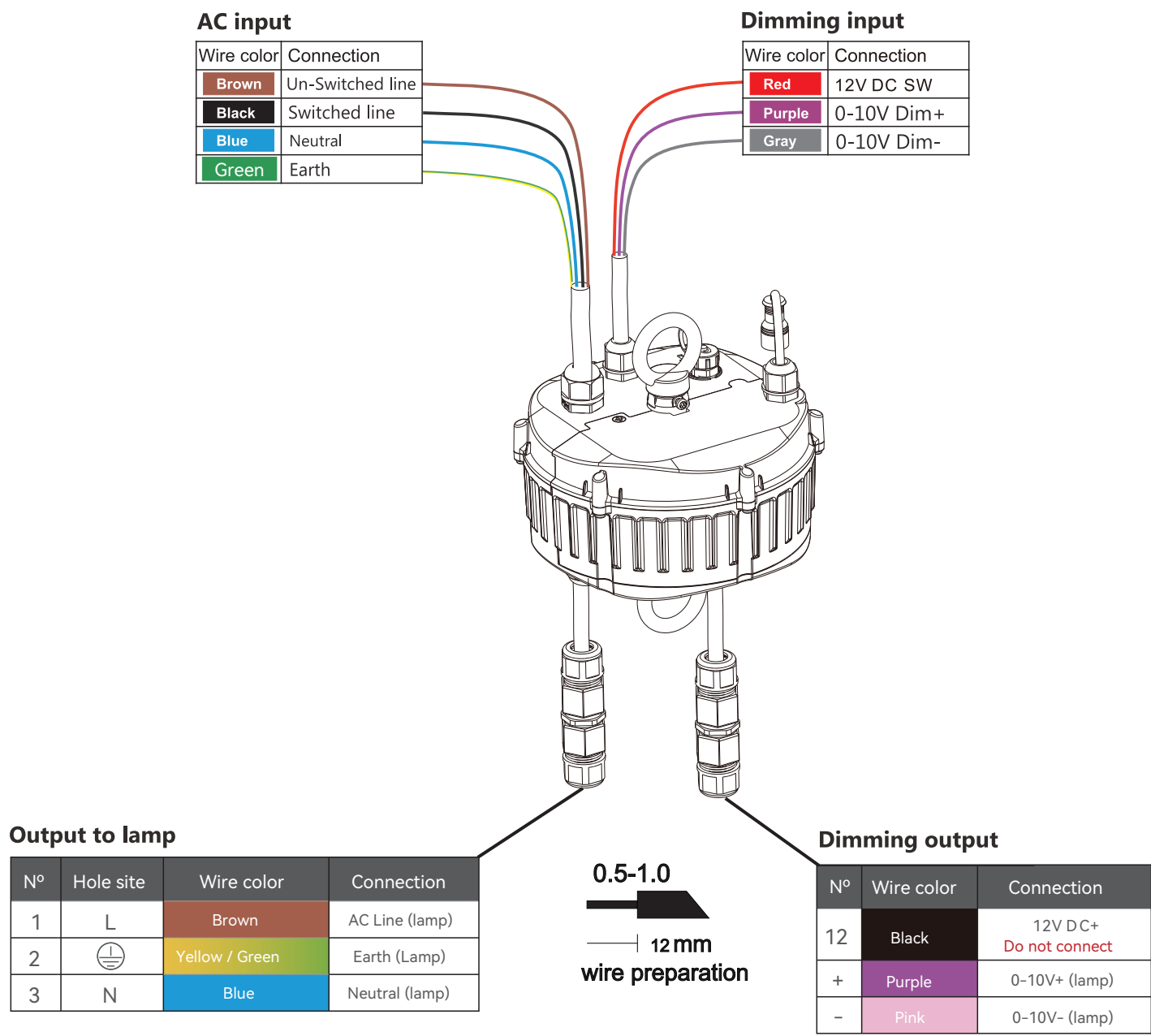
TECHNICAL INFORMATION

Notes: cp(constant power)

Type	Rated	Battery	Emergency power	Duration
STB27FD-09T-LFPB4S1P	Input: 220-240V~,50-60Hz,50mA,6W,P.F>0.5 Output: DC200-250V, 30W max Over voltage ptection Output current: 40-120mA Surge:2KV(L-N) 4KV(L/N-PE) Recharging current: 350mA Battery charge time: 24hours Discharging current: 0.8-2.4A Time to light: <0.5s Switch voltage: 155-175V Battery cutoff voltage: 10.6V	LiFePO4 12.8V 3.3Ah#2.24Wh IFR26650-3.3Ah×4pcs	9W cp 15W cp 20W cp 30W cp	180 minutes 120 minutes 90 minutes 60 minutes
STB27FD-20T-LFPB4S2P	Input: 220-240V~,50-60Hz,120mA,8W,P.F>0.5 Output: DC200-250V Over voltage ptection Output current: 40-120mA Surge: 2KV(L-N) 4KV(L/N-PE) Recharging current: 500mA Battery charge time: 24hours Discharging current: 0.8-2.4A Time to light: <0.5s Switch voltage: 155-175V Battery cutoff voltage: 10.6V	LiFePO4 12.8V 6.6Ah#4.48Wh IFR26650-3.3Ah×8pcs	20W cp 30W cp 40W cp 60W cp	180 minutes 120 minutes 90 minutes 60 minutes

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Wiring diagram(Maintained)



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Self-test

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.

Explanation of LED indicator

State	Color	LED indication	Status	Comment
	Green	Permanent green	Charging Mode 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)

Test switch

The test button is a open switch , if you press it, it connects, and then you release it, it cuts off automatically.

When you are doing the daily maintenance , if you press the test button, the emergency driver goes into emergency mode, if you release the button, the emergency driver will go back to normal mode.

LED indicator

It can reflect charging or not charging. LED charging monitor will be light if battery is connected while it will be off without battery connecting.