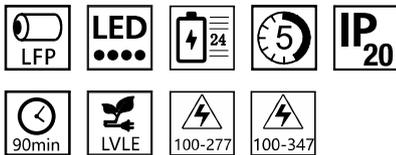
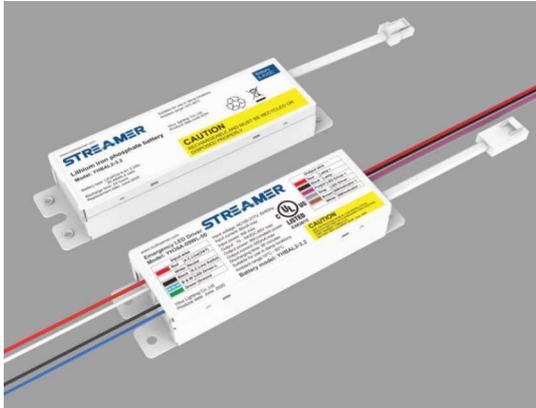


LED emergency driver YH36,YH36A series



CAUTION:

- DO NOT USE OUTDOORS.
- DO NOT MOUNT NEAR GAS OR ELECTRONIC HEATERS.
- EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.
- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.
- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.
- Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.
- The equipment is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaires.



Product description

- Suit for 4W to 200W lamp with external Led driver.
- Used with LiFePO4 battery.
- Constant power output.
- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Accessory test switch and charge indicator.

Applications

- UL Listed for dry locations.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Ambient range ta 0...60°C.
- IP20 protection.

Protections:

- Input over current protection.
- Output over voltage protection.
- Output under current protection.
- Output short circuit protection.

Warranty

- Warranty 5 years,
Emergency driver and battery.



LED emergency driver YH36,YH36A series

Ordering data

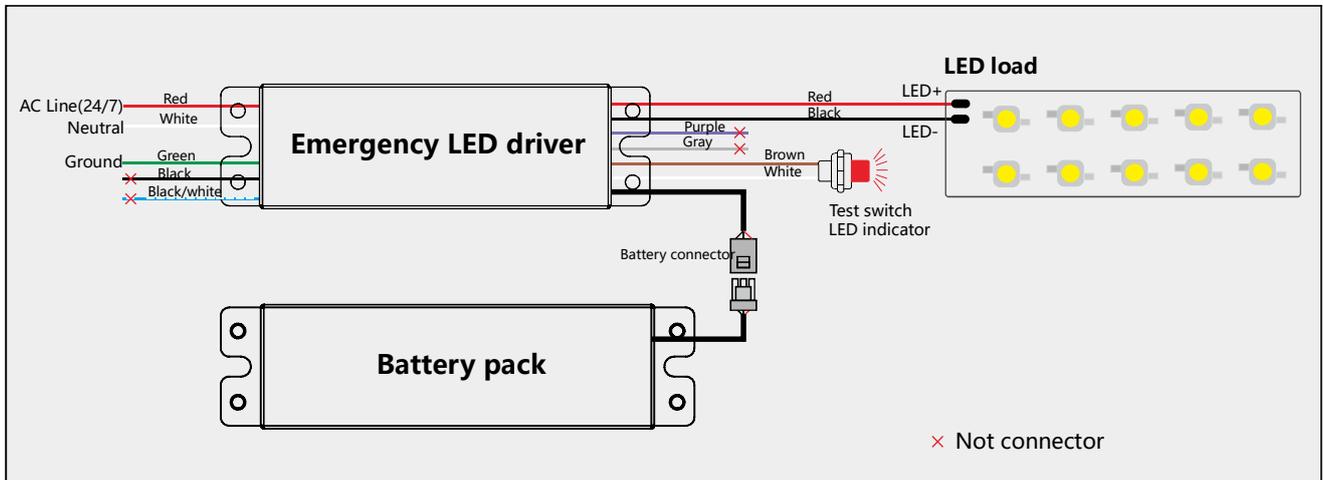
| Model No.: | Input voltage | Voltage/power (E.M mode,Vdc) | Emergency time | Battery pack | Battery capacity |
|----------------|--------------------|------------------------------|----------------|---------------------|------------------|
| YH36-04WL-54 | 100-347Vac 50-60Hz | 25-54V 4W | 90min | LiFePO4 6.4V 1.6Ah | 10.24Wh |
| YH36-04WL-300 | | 90-300V 4W | | | |
| YH36A-04WL-54 | 100-277Vac 50-60Hz | 25-54V 4W | 90min | LiFePO4 6.4V 1.6Ah | 10.24Wh |
| YH36A-04WL-300 | | 90-300V 4W | | | |
| YH36-09WL-50 | 100-347Vac 50-60Hz | 15-54V 9W | 90min | LiFePO4 6.4V 3.2Ah | 20.48Wh |
| YH36-09WL-180 | | 50-180V 9W | | | |
| YH36A-09WL-50 | 100-277Vac 50-60Hz | 15-54V 9W | 90min | LiFePO4 6.4V 3.2Ah | 20.48Wh |
| YH36A-09WL-180 | | 50-180V 9W | | | |
| YH36-16WL-54 | 100-347Vac 50-60Hz | 25-54V 16W | 90min | LiFePO4 12.8V 3.3Ah | 42.24Wh |
| YH36-16WL-300 | | 90-300V 16W | | | |
| YH36A-16WL-54 | 100-277Vac 50-60Hz | 25-54V 16W | 90min | LiFePO4 12.8V 3.3Ah | 42.24Wh |
| YH36A-16WL-300 | | 90-300V 16W | | | |
| YH36-25WL-52 | 100-347Vac 50-60Hz | 25-52V 25W | 90min | LiFePO4 12.8V 4.8Ah | 61.44Wh |
| YH36-25WL-300 | | 90-300V 25W | | | |
| YH36A-25WL-52 | 100-277Vac 50-60Hz | 25-52V 25W | 90min | LiFePO4 12.8V 4.8Ah | 61.44Wh |
| YH36A-25WL-300 | | 90-300V 25W | | | |

Technical data

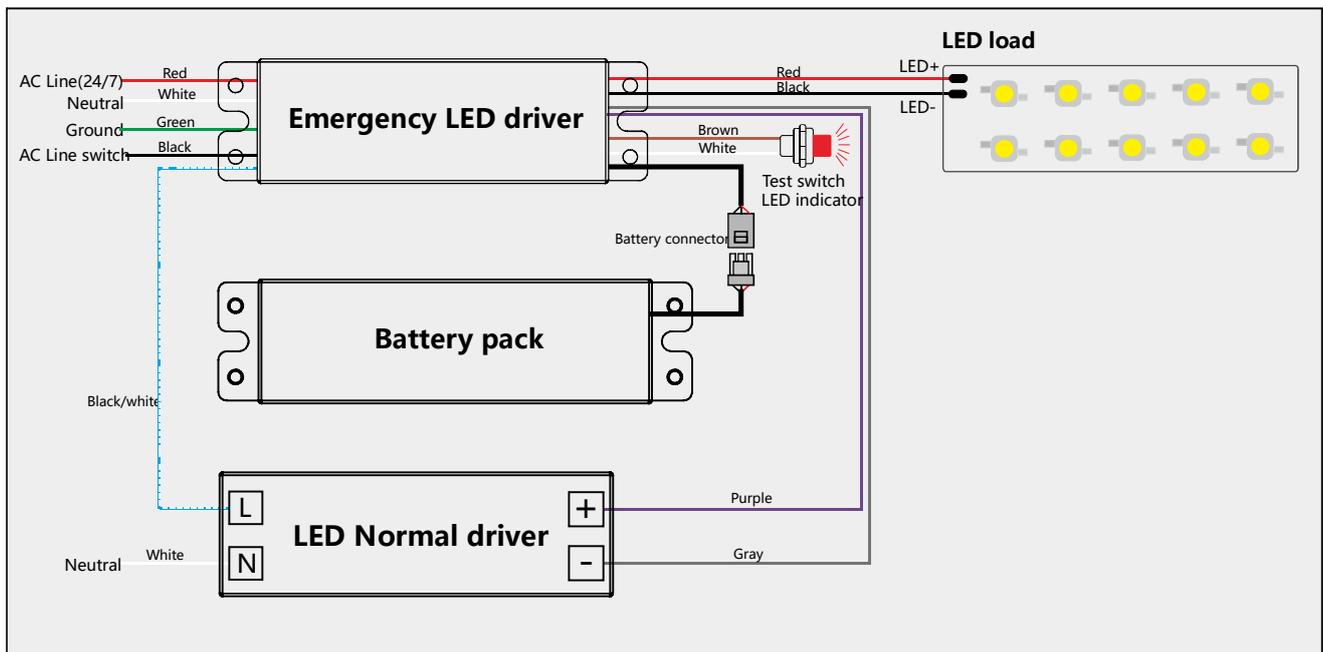
| Item | Data |
|---|--|
| Rated input voltage | 100-347V,100-277VAC,50/60Hz |
| Input current | 120mA Max |
| Input power | 8W max |
| Power factor | 0.6 @100VAC, 0.5@347VAC |
| Output wire L-out N-out (LED load input) | AC 6A Max |
| Output voltage range | DC25-54V, 60V max; 90-300V, 350V max. |
| Output voltage(emergency mode) | 4, 9, 16, 25W, Constant power |
| Battery cells type | LiFePO4 3.2V, 18650-1.6Ah, 26650-3.3Ah |
| Recharge current | 0-500mA |
| Recharge time | 24---48hours |
| Discharge time | 90 minutes |
| Max. casing temperature tc | 80°C |
| Ambient operating temperature ta | 0-60°C |
| Service life | 50000 hours |
| RFI/EMI | FCC |

LED emergency driver YH36,YH36A series

Wiring diagram(Non-maintained)



Wiring diagram(Maintained)

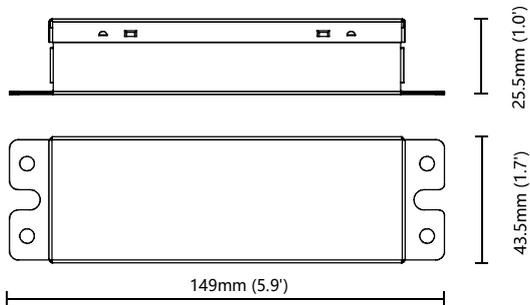


Installation instruction:

- Please install this product properly by the licensed electrician.
- Please check and confirm all the data and usage surrounding before installation.
- Damp or wet location installation is OK.
- This item could be used in the sealed fixtures or installed open area of the fixtures.
- Please keep it away from the flammable materials with a place of good heat dissipation.
- Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

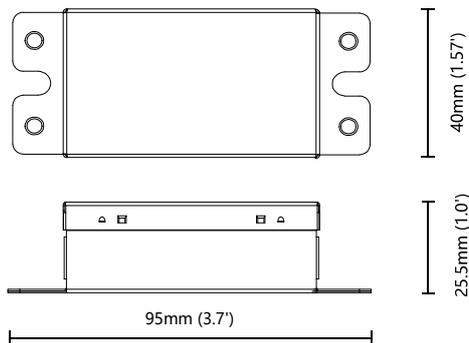
LED emergency driver YH36,YH36A series

Dimensions(Emergency driver)



YH36,YH36A series
Emergency driver
149mm(5.9")x43.5mm(1.7")x25.5mm(1")

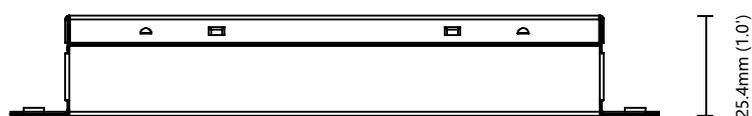
Dimensions(Battery pack)



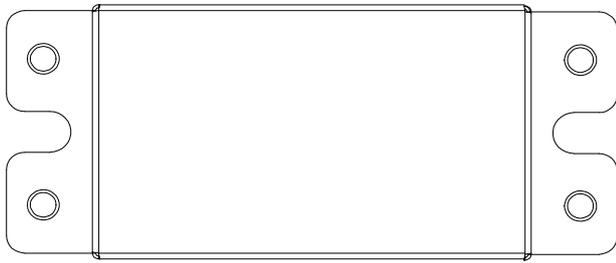
Battery pack
LiFePO4 6.4V 1.6Ah
95mm(3.7")x40mm(1.57")x25.5mm(1")



Battery pack
LiFePO4 6.4V 3.2Ah
165mm(6.5")x43.5mm(1.7")x25.5mm(1")

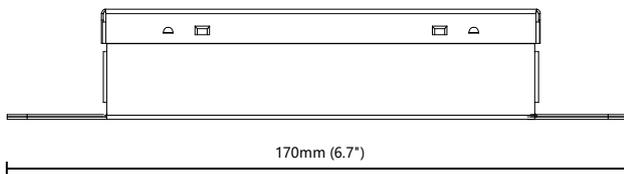


LED emergency driver YH36,YH36A series

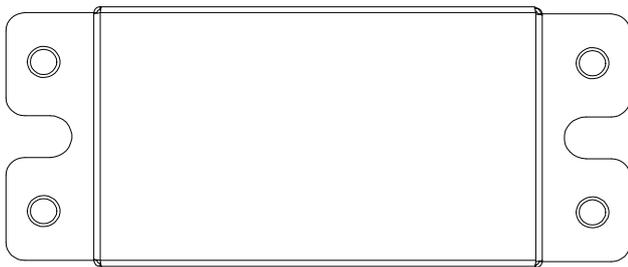


59mm (2.3")

Battery pack
LiFePO4 12.8V 3.3Ah
170mm(6.7")x59mm(2.3")x30mm(1.18")

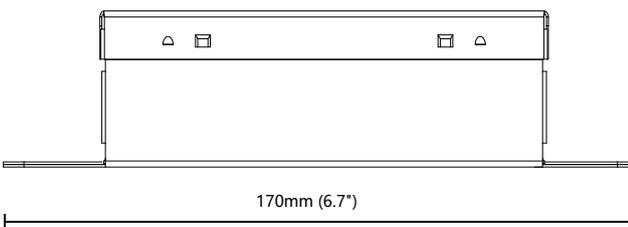


30mm (1.18")



62mm (2.44")

Battery pack
LiFePO4 12.8V 4.8Ah
170mm(6.7")x62mm(2.44")x40mm(1.57")



40mm (1.57")

Test switch

- Emergency conversion Kit will go into emergency mode if test switch is pressed when main supply is on, while it will go into charging mode if test switch is not pressed.

In emergency mode, press the test switch for 3 seconds to turn off the current emergency state.

LED indicator

- Red stable: charging mode or charging full.
- Red off: mains power off or discharging mode.

