EMERGENCY LED DRIVER

KVD-KM20D-YYY



Features:

- Meet most of safety standards for lighting
- Standard CSA C22.2 NO.141 UL924
- External lithium battery
- Battery protections: over charge protection over discharge protection short circuit protection
- Indicator shows a variety working modes
- The batteries Meet 500 cycles of standard CH and standard DCH
- RoHS compliant

Specifications:

Universal Input Voltage:	100-277Vac/347Vac 50/60Hz
AC Input Current:	100mA max.
AC Input Power Rating:	7.0W max.
Battery Charging Current:	250mA
Charging Time:	≥24Hours
Output Current and Voltage:	25-48VDC
Emergency Time:	≥1.5H
Battery:	Li-FePo4 3600mAh-6.4V
Output Power:	10W
Full Warranty:	5 Years
Temperature Rating Ambient:	Li-FePo4 0°C to 70°C (32°F to 104°F)

Operation:

AC Operation:

AC power is present,The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed150W or 4A,the emergency driver is charging in a standby mode,The green LED light on to indicate that it is charging.

Emergency operation

When the AC power goes out,The emergency driver detects the AC power outage and automatically switch to the working emergency mode.The green LED off.When the AC power is restored,the emergency driver backs to AC power working and starts re-charging, the green LED light on.

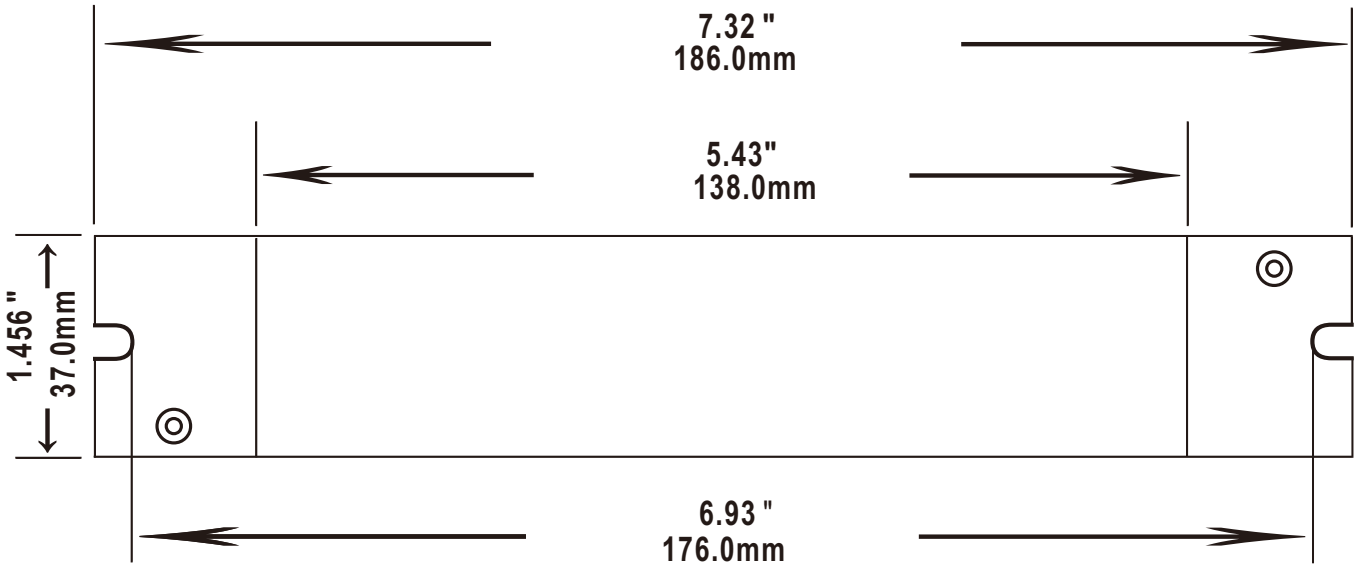
Indicator Light

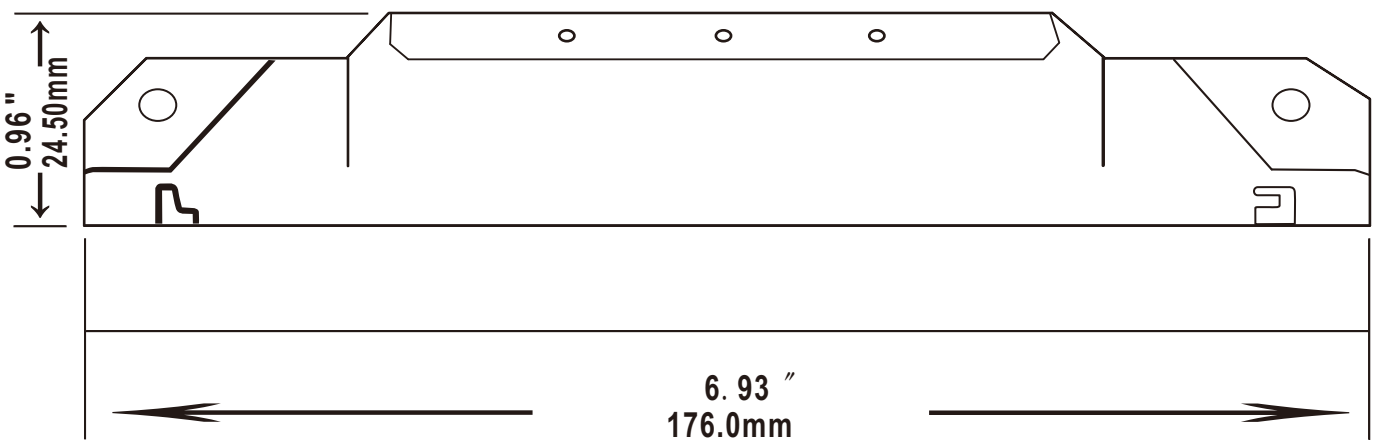
- AC Operation, indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 1 seconds, light off for 1 seconds)
- In a failure, indicator light flash quickly (light on for 0.02 seconds, light off for 0.02 seconds

Test Switch

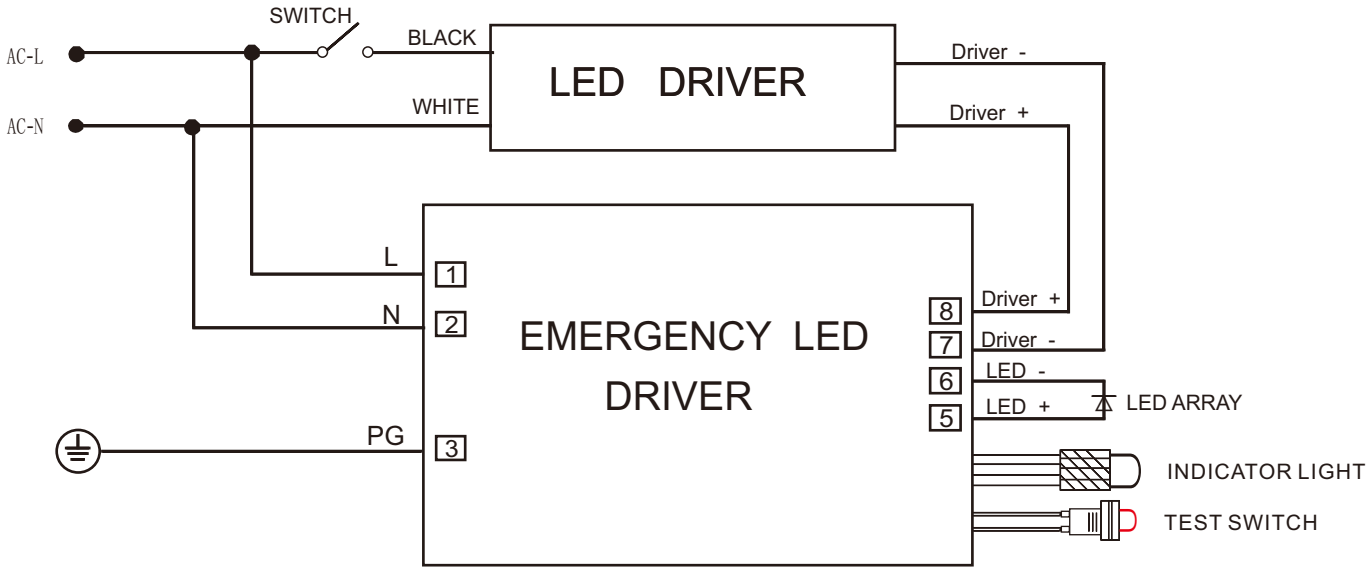
- In AC Operation, press test switch once, emergency for 20 seconds
- In AC Operation, press test switch twice in asuccession within two seconds, emergency until battery is full discharged
- In the emergency operation, press test switch will turn off emergency status, and led lamp & indicator light of EM driver will go out at the same time

Dimension Drawing





Wiring Diagram



1.DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
2.TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

Picture



10W-1.5H
Li-FePo4

IMPORTANT SAFEGUARDS

When using electrical equipment, you should always follow basic safety precautions, read and follow all safety instructions, including the following:

- Risk of fire or electric shock.Luminaire wiring and electrical parts may be damaged when drilling for installation of LED Emergency Backup Check for enclosed wiring and com . ponents.
- Risk of fire or electric shock.This LED Emergency Backup installation requires knowledge of luminaire electrical systems.If not qualified do not attempt installation. , Contact a qualified electrician.
- Before installing make certain the AC power to the fixture is off , .
- The electrical rating of this product is 100-277Vac/347Vac.Installer must confirm that there is 100-277Vac/347Vac to the fixture before installation.
- To prevent electrical shock only mate unit connector after installation is complete and before the AC power to the fixture is back on.
- Do not use in outdoor.
- This LED Emergency Backup unit requires an un switched AC power source of 100-347Vac 50/60Hz The AC driver must be on the same branch circuit as the LED Emergency Backup unit
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not connect battery pack connector until all other wiring is complete and AC power is on
- The emergency LED driver is for use with grounded,ULlisted LED luminaires,shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire
- Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- The battery pack is fied by the screw and the indicator lamp is attached to the shell of the luminaire by 3M tape
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Do not use this equipment for other than its intended use
- Use with grounded, UL Listed, dry or damp location rated fixtures.