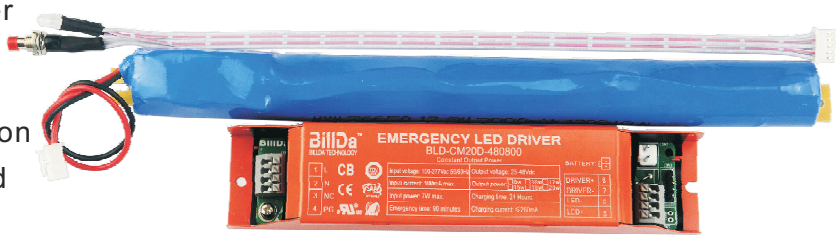
BillDa™
BILLDA TECHNOLOGY

Emergency LED Driver
20 Watts Constant Output Power
BLD-CM20D-480800

REV 01

Features:

- Meet most of safety standards for lighting
- Standard EN61347-1、EN61347-2-7、EN61347-2-13、UL924
- External LiFeP04 battery
- Battery protections: over charge protection、over discharge protection 、short circuit protection
- Indicator shows a variety working modes
- Intelligent emergency automatic detection function
- The batteries Mee 500 cycles of standard CH and standard DCH
- Constant output power(Auto-sensing output within each range)
- RoHS compliant



c UL us LISTED E493915 · TÜVRheinland CERTIFIED · SAA APPROVALS · CB · CE · RoHS

Specifications:

Universal Input Voltage
100-277Vac, 50/60Hz

AC Input Current
100mA max.

AC Input Power Rating
7.0W max.

Output Current and Voltage
250-480mA 25V-48Vdc

Output Power
20W max.

Emergency Time
1H,2H,3H

Full Warranty
3 Years

Test Switch Indicator Light
Illuminated Test Switch,
Red,Green,Yellow indicator Light

Battery
LiFeP04 battery

Battery Charging Current
250mA

Charging Time
24Hours

Temperature Rating（Ambient）
0°C to +50°C (32°F to 122°F)

Dimensions
7.4"x1.5"x1.1"（188mmx38mmx29mm）

Weight
1.2bs(0.55kg)

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 exceed 4A,the emergency driver is charging in a standby mode. The green LED light flashes indicates that it is charging.The green LED light on indicates that it is full charged.After the AC power supply working 48H,The emergency LED drive will automatically from AC power working switch into emergency working mode for 30S every month and then automatically backs to the working mode of the AC power supply,the AC power supply works per year for automatically from the AC power mode backs to the working emergency mode Until the emergency discharge is completed.

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 red LED light on indicates that it is discharging,the red LED flashes to indicate low battery power.The red LED light off indicates that the discharge is complete.When the AC power is restored,The emergency driver backs to AC power working and starts re-charging.

Malfunction operation:
When the emergency LED driver fault,the yellow LED on.

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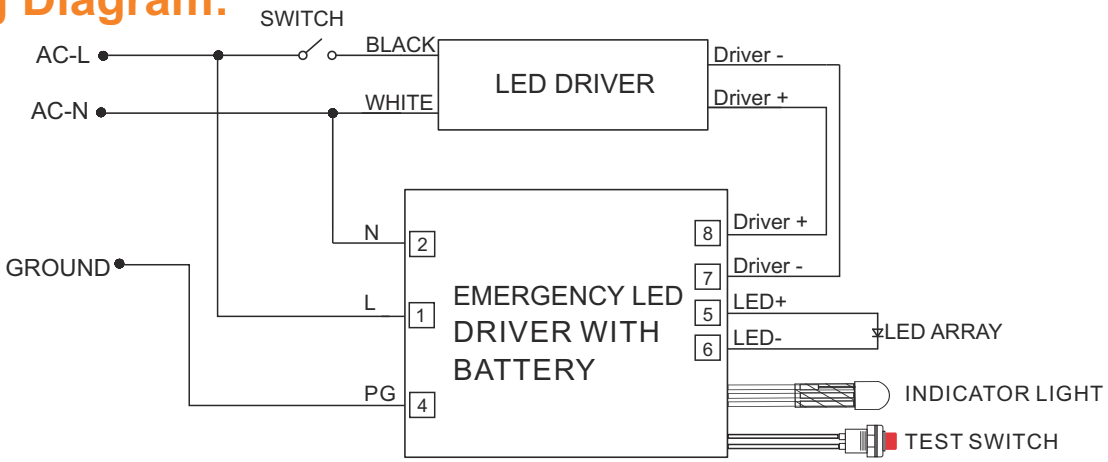
Wiring Diagram:

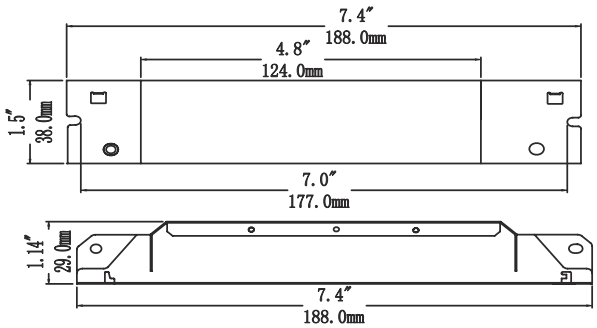


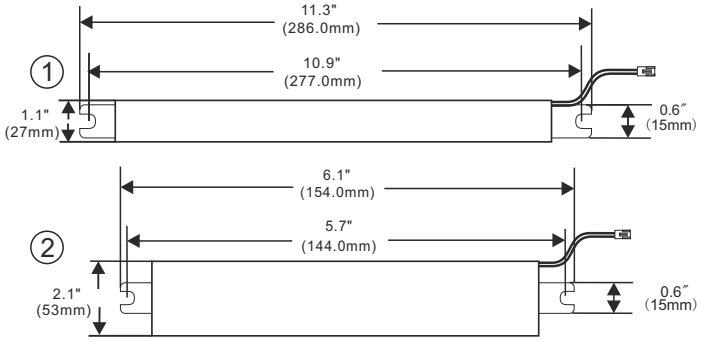
1.DO NOT MATE CONNECTOR UNTIL INSTALLATIONIS COMPLETE AND AC POWER IS SUPPLIED.

2.TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

Dimensions:

7.4''x1.5''x1.1''(mounting center-7.0")





Safety Instructions:

- Risk of fire or electric shock.Luminaire wiring and electrical parts may be damaged when drilling for installation of LED emergency driver.Check for enclosed wiring and components.
- Risk of fire or electric shock.This LED emergency driver installation requires knowledge of luminaires electrical systems.If not qualifed,do not attempt installation.Contact a qualifed electrician.
- Before installing,make certain the AC power to the fixture is off.
- The electrical rating of this product is 100-277Vac,Installer must confirm that there is100-277Vac 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 outdoors.
- This LED emergency driver unit requires an un-switched AC power source of 100-277Vac,50/60Hz.The AC driver must be on the same branch circuit as the LED emergency driver unit.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not join battery pack connecter until all other wiring is complete and AC power is on.

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