

WARNINGS



RISK OF FIRE, ELECTRICAL SHOCK, CUTS OR OTHER CASUALTY HAZARDS

Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.

RISK OF FIRE AND ELECTRIC SHOCK

Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

RISK OF FIRE

Refer to product label for specific minimum supply conductor requirements.

RISK OF BURN

Disconnect power and allow fixture to cool before handling or servicing.

RISK OF PERSONAL INJURY

Fixture may become damaged and/or unstable if not installed properly.

DISCLAIMER OF LIABILITY: CSC LED assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Green ground wire is provided in proper location. Do not relocate.

SAFETY: This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to ensure personal safety. Carefully observe grounding procedure under installation section.

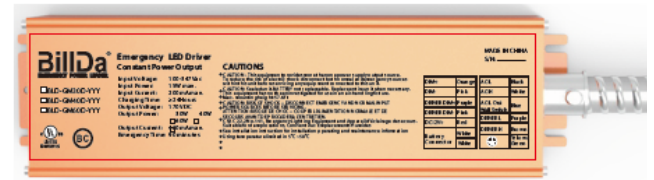
APPLICATIONS: This emergency LED driver is designed for indoor lighting applications, and should not be used in an area with limited ventilation or inside high ambient temperature enclosures. It must be stored in a dry location prior to installation.

ATTENTION RECEIVING DEPARTMENT: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packaging must be retained.

BLD-GM40D INSTALLATION

For optimal performance and warranty validity, **we recommend the Emergency LED Driver be installed by CSC LED** - installation is included in the cost of the Emergency LED Driver. This ensures proper installation and warranty coverage. CSC LED is not responsible for issues arising from external installation. Each Emergency LED Driver installation may take up to 1 hour. Please note that once the Emergency LED Driver is installed on a luminaire, the respective luminaire is not eligible for return. Technical support is available when used with compatible CSC LED luminaires.

- 40W | 120-347V
- Built-in Lithium battery
- Battery protection (over-voltage, low-voltage, low-temperature, short circuit protection)
- Easy wiring: directly connect to AC input of LED driver



IMPORTANT: HB8 High Bays with an Emergency LED Driver installed are not suitable for wet location application

Input Voltage	120-347V AC, 50/60Hz
Input Current	200mA max
Input Power	15W max
Output Voltage	170V DC
Output Power	40W
Recharge Time	≥24 hours
Discharge Time	≥ 90 minutes
Ambient Temp.	5°C to 50°C
IP Rating	IP54
Warranty	5-year

ACCESSORIES

UFO-EBU-KIT and BLD01-RC are required for use and are ordered separately.



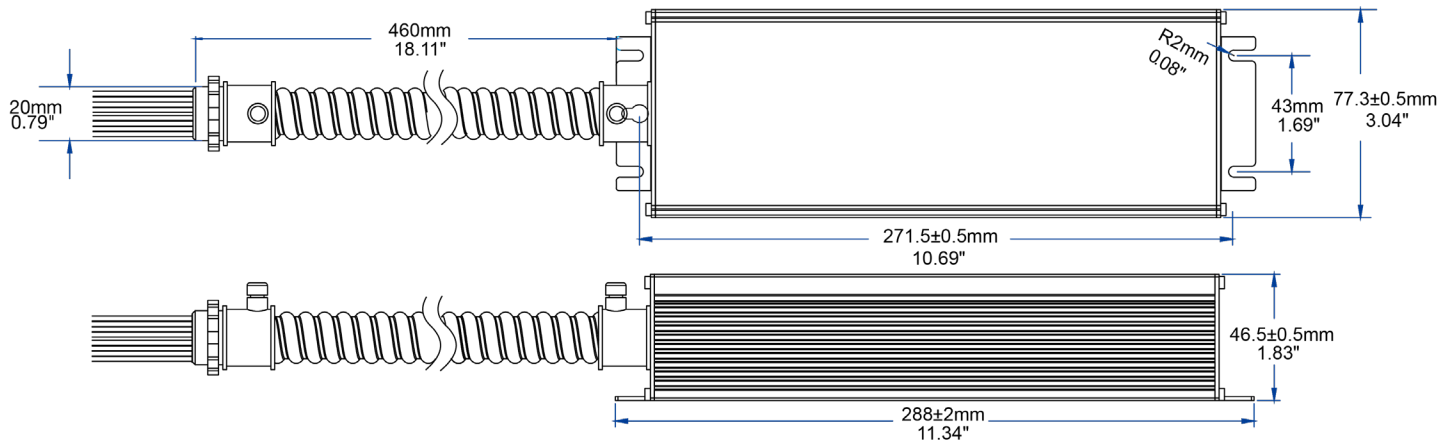
UFO-EBU-KIT



BLD01-RC

DIMENSIONAL DRAWING

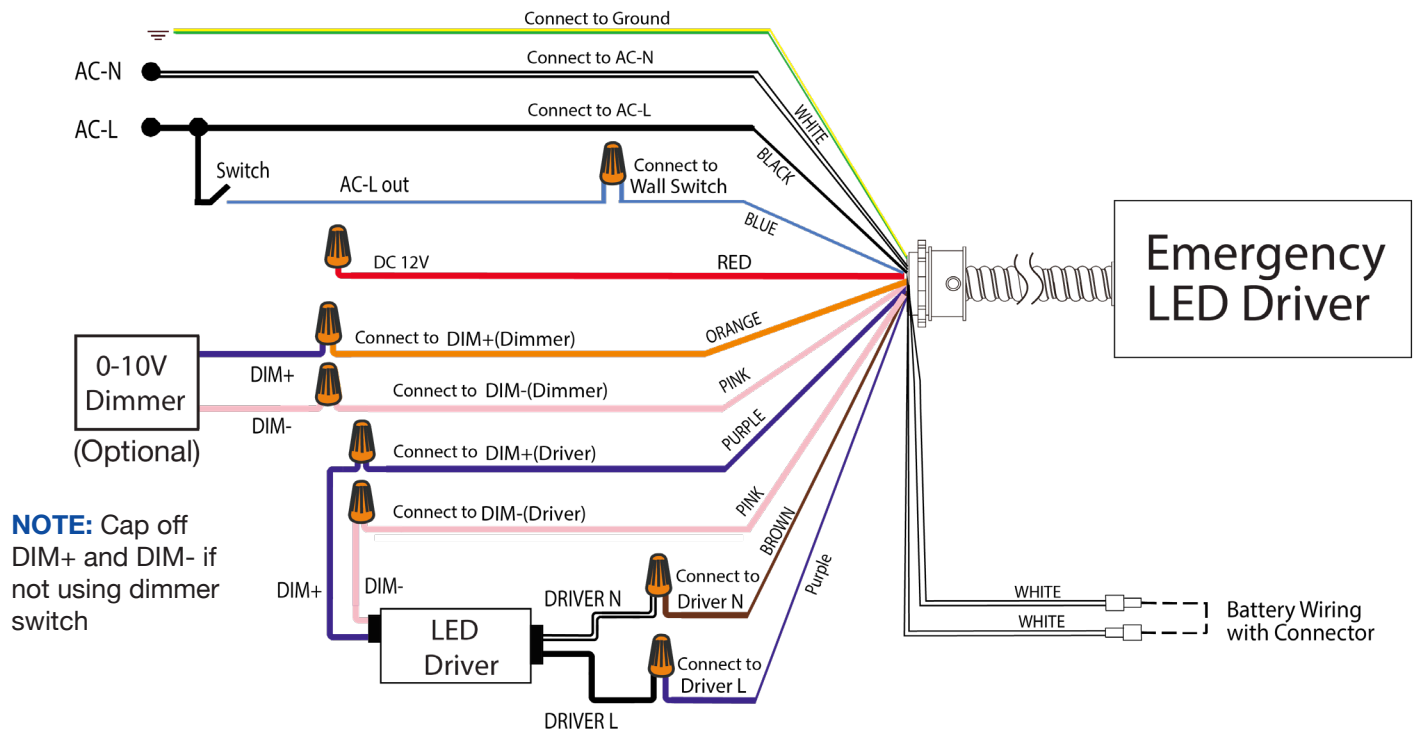
L*W*H = 11.34" x 3.04" x 1.83" mounting center 10.69"



WIRING DIAGRAMS

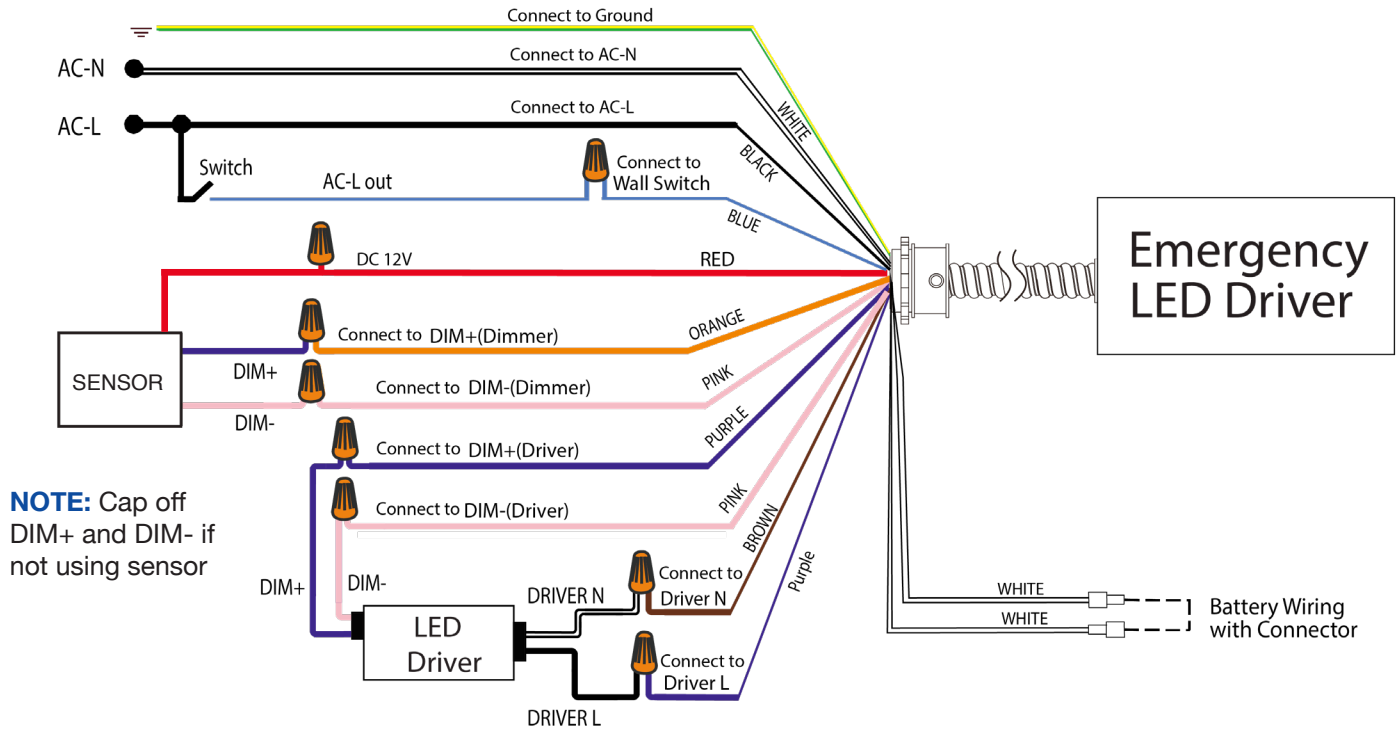
1. For use with 0-10V dimmer switch:

Emergency Driver Dim+ (purple) and Driver Dim- (pink) must connect to the LED driver DIM+ and DIM-



2. For use with 12V sensor:

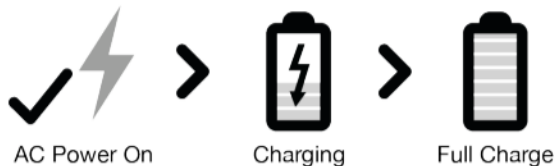
Emergency Driver DIM+ (Purple) and Driver DIM- (Pink) must connect with LED driver DIM+ and DIM-



NOTE: If a 12V sensor is used, use the 12V wire provided by the Emergency LED Driver (not the luminaire driver)

BLD-GM40D OPERATION

AC OPERATION



When AC power is present, the LED load is supplied by the primary LED driver.

- **Green Light FLASHING:** Charging
- **Green Light ON:** Stand-by Mode

EMERGENCY OPERATION








When AC power is lost, the Emergency LED Driver detects the power outage and automatically switches to emergency mode until normal AC operation has resumed or the battery in the Emergency LED Driver runs out.

- **RED Light ON:** Discharging
- **RED Light FLASHING:** Low Battery
- **RED Light OFF:** Discharge complete

MALFUNCTION OPERATION

A YELLOW light indicates a fault is detected with the Emergency LED Driver.

INDICATOR LIGHT

Green Flashing: Charging	
Green ON: Fully Charged	
Red ON: Discharging (Emergency Mode)	
Red Flashing: Low Battery	
Yellow: Error	

WARNING

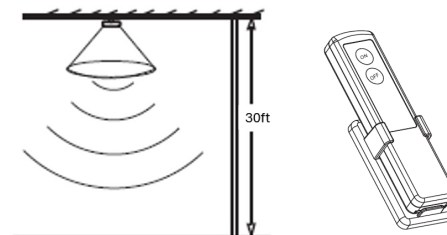
To prevent electrical shock, only connect unit after installation is complete and before the AC power is returned. This Emergency LED Driver unit requires an unswitched AC power source of 120-347V, 50/60Hz. The AC driver must be on the same branch circuit as the Emergency LED Driver. Do not let the power supply cords touch hot surfaces.



The use of accessory equipment not recommended by the manufacturer may cause unsafe conditions. Do not use this equipment for anything other than its intended purpose. For use only with grounded, UL listed dry or damp location-rated luminaires.

BLD01-RC OPERATING INSTRUCTIONS

TESTING INSTRUCTIONS

- BLD01-RC requires 2 x AAA batteries
- Stand within range (directly under) the Emergency LED Driver you would like to test. The remote control must be within a 45° angle for the Emergency LED Driver to receive the signal
- The maximum range of the remote control is 30'



	Press the ON button to activate the test function of the emergency mode. The fixture will dim to the light level of the emergency mode
	Press the OFF button to switch back from the emergency mode to the normal operating mode. The light level of the fixture will return to the normal operating mode. NOTE: Pressing the OFF button when AC main power supply is off turns off the emergency LED driver, which turns off the luminaire.

DIMENSIONAL DRAWING

