



Certified LED Lights®

Product Data Sheet
Emergency Driver



For use with



UFO High bays

Product Overview

The EMUFO-40170-YY emergency LED driver is engineered to provide dependable backup power for UFO-style LED high bay fixtures. Designed for use in commercial and industrial environments such as warehouses, factories, gymnasiums, and large retail spaces, this emergency driver automatically switches the connected fixture from normal AC operation to emergency mode when utility power is lost.

During an outage, the EMUFO-40170-YY supplies a regulated emergency output that allows the LED fixture to operate at a reduced but effective illumination level. The unit operates with a universal input voltage of 100–347 VAC at 50/60 Hz. It is equipped with an integrated rechargeable lithium-ion battery pack that continuously charges while normal power is present and is capable of delivering 40 watts of emergency output power for a minimum of 90 minutes, meeting common emergency lighting standards.

The driver supports LED load voltages of 170 VDC, allowing it to work efficiently with many UFO high bay LED drivers.

Its compact, fixture-compatible design allows it to be installed within or alongside UFO high bay luminaires without interfering with standard operation, making the EMUFO-40170-YY a practical solution for enhancing safety, maintaining illumination during outages, and meeting building code requirements for emergency lighting systems.

Applications



Manufacturing



Retail



Sports
Arena



Warehouses

Main Features

- * High output voltage 170 V
- * CEC compliance Constant output power
- * Self-testing
- * Battery: thermal protection
- * Remote control testing (Optional) distance at 98ft
- * Input Voltage: 100~347Vac, 50/60Hz
- * Recharge Time: 24Hrs
- * Emergency Power: 40W
- * Discharge Time: 90 min
- * Battery: Li-ion

Product Warranty



Highlights and Certifications



UL listed

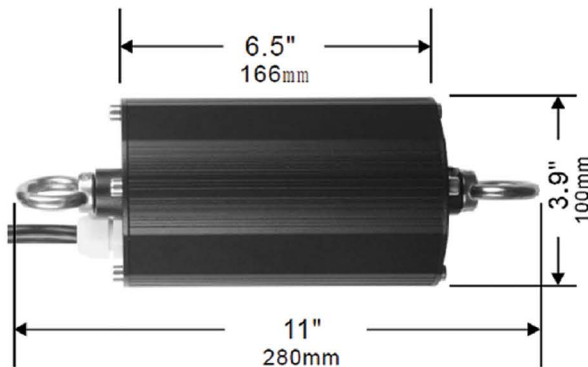


0-10V
dimnable



Wet rated

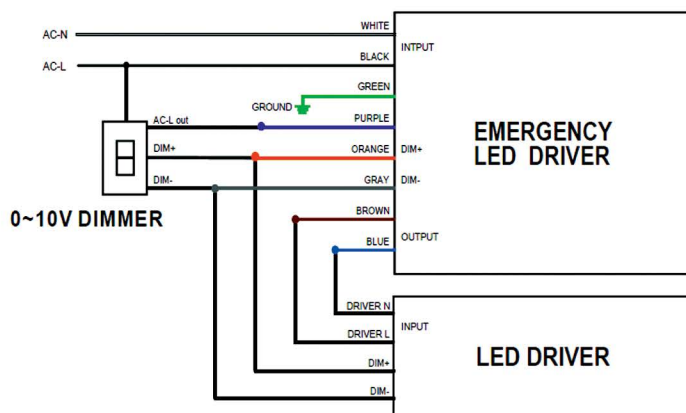
Dimensions



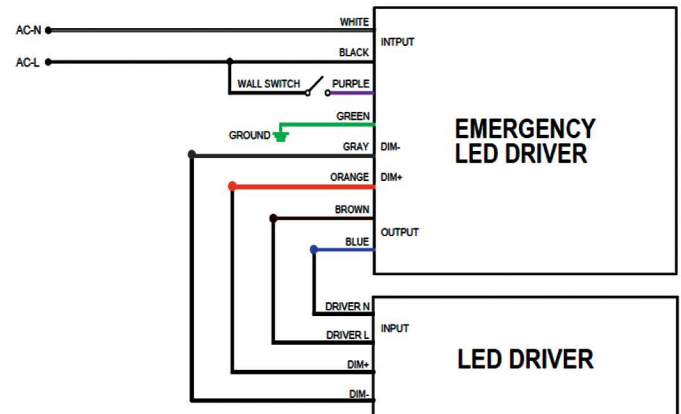
Wiring Diagram: Caution

- * During AC operation, remember no touch or remove any wires in case of electric shock.
- * During emergency operation, before touching and disconnecting the wires, remember to press the test button again to make the led lamp and indicator light off to avoid electric shock.
- * The voltage input to the dimmable wires(DIM+,DIM-) of emergency LED driver must less than 20Vdc.
- * For emergency LED driver of EMUFO-25170-YY better work with LED lamp not more than 200W, for EMUFO-40170-YY must work with LED lamp not more than 300W.
- * This emergency LED driver only work with LED lamp with dimmable function.

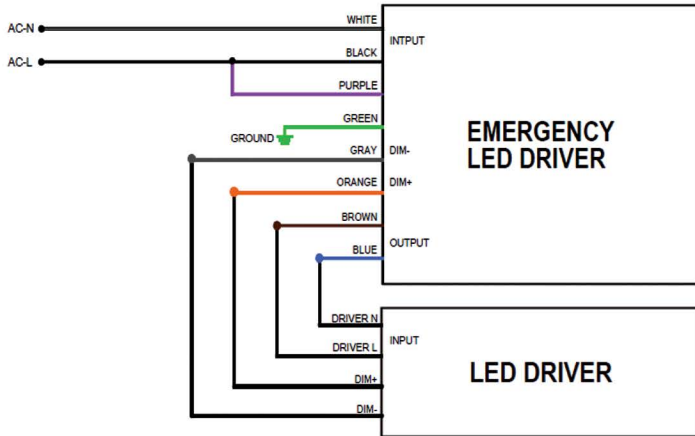
1- With Dimmer



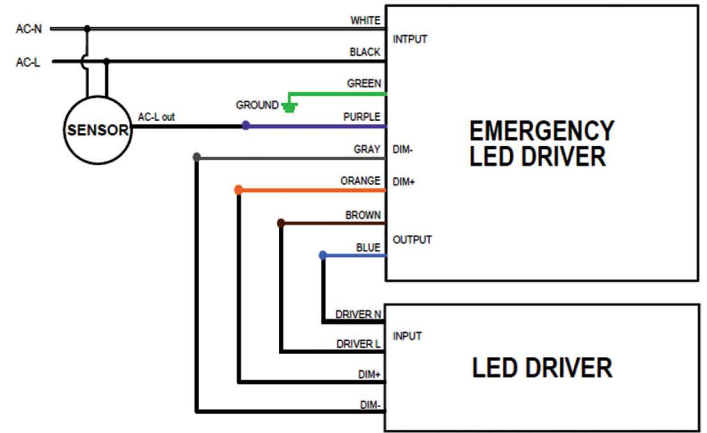
2- Without Dimmer



3- With Switch and Without Dimmer



4- With Sensor



Operation

AC operation, when AC power supplies to the AC driver and emergency LED driver, the AC driver will operate the LED load as designed. Then the emergency LED driver will be kept as charging status, and the indicator light will keep lighting. When press the test button, it will change into emergency status at a reduced lumen output for 30 seconds, during this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds); then 30 seconds later, it will recover into AC operation.

Emergency operation, When AC power fails, emergency LED driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes, during this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds); when AC power is restored, it will return to charging mode, and the indicator light will keep lighting.

Self-test

The emergency LED driver contain a control/monitor circuit which will perform a 30-second discharge test once a month and a full 90-minute discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems, the indicator will flash quickly.

Ordering Guide

PART #	OUTPUT VOLTAGE	OUTPUT POWER
EMUFO-40170-YY	170V	40W