



Industrial & Commercial LED Lighting Company

4403 Greenbriar Dr, Stafford, Texas 77477
Tel No. 1-800-8385070
Monday - Friday 8:30 AM to 5:30 PM

109C SERIES LED UFO HIGH BAY



Product Features:

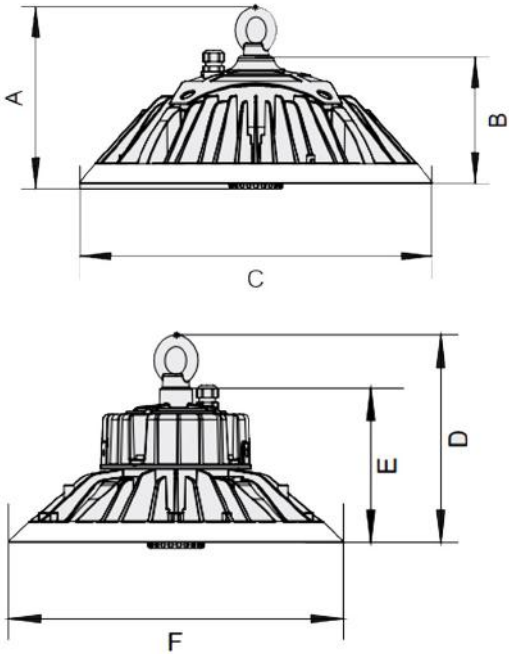
- High power factor, low THD driver with 4kV surge protection
- IP66 waterproof, dust, corrosion and pressure-proof
- Microwave sensor and Emergency backup optional
- 2019 Private mold, unique design
- 2835 SMD LED
- AC120-277V/AC120-347V/AC277-480V optional
- Operating temperature: -40°C~45°C
- **5-Year Warranty**

Suitable Application:

- Warehouse
- Stadiums
- Factories
- Supermarket
- Logistics Center
- Exhibition Hall



Dimensions & Weight



AC120-277V/AC120-347V

Power / Size	A	B	C
60w/80w/100w/150w	5.4''	3.54''	Φ11.62''
200W/250w	6.51''	4.65''	Φ12.95''

AC277-480V

Power / Size	D	E	F
100W/150W	7. 20''	5. 36''	Φ11.62''
250w	7. 87''	6. 04''	Φ12.95''

Accessories



The fixture includes J Hook.



Chain *(Sold Separately)*

Emergency Battery Backup



Installation

Diagram 1:

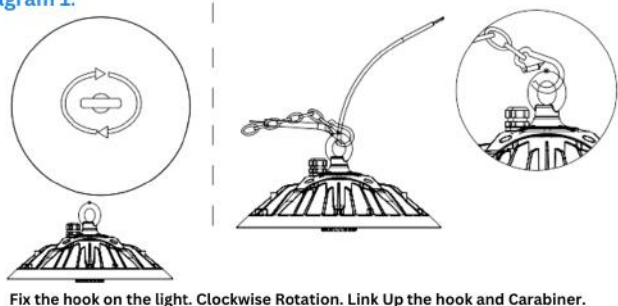


Diagram 2:

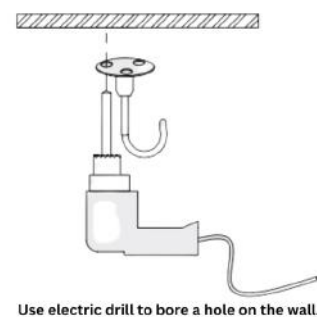


Diagram 3:

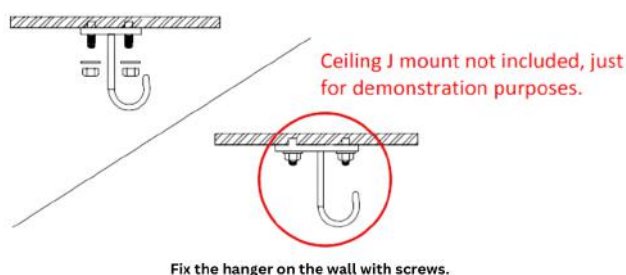


Diagram 4:

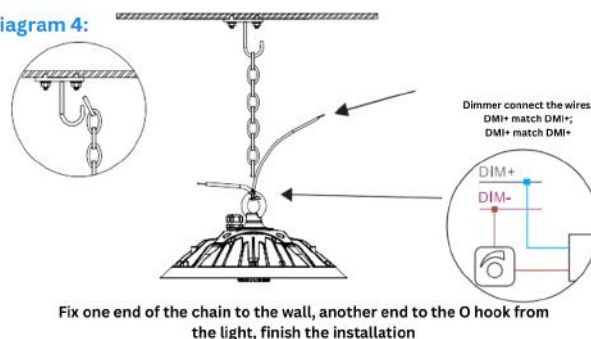


Diagram 1:

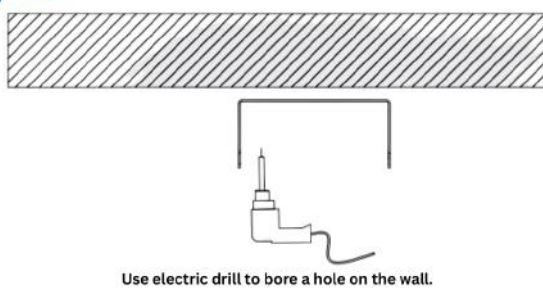


Diagram 2:

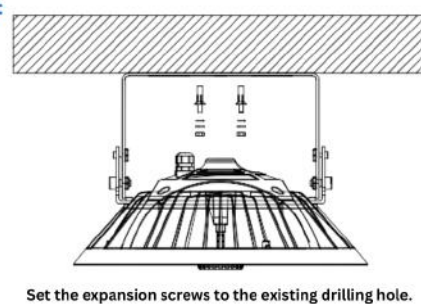


Diagram 3:

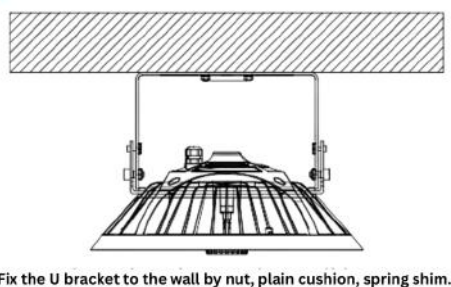
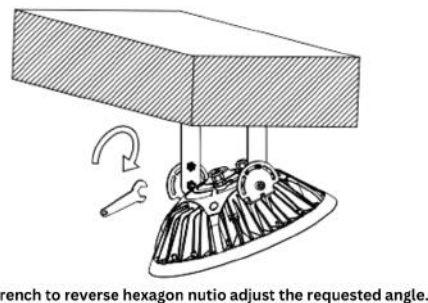


Diagram 4:



Packaging Details

Model	Carton Dimension	Qty / Carton	N.W	G.W	20GP	40HQ
60W/80W/100W/150W (AC120-347V)	13.4''*13.4''*5.5''	1PCS	6.6lbs	8.38lbs	1518pcs	4177pcs
200W/250W (AC120-347V)	15''*15''*6.3''	1PCS	10.14lbs	12.15lbs	1090pcs	3000pcs
100W/150W (AC277-480V)	13.4''*13.4''*8.3''	1PCS	10.10lbs	11.99lbs	895pcs	2462pcs
250W (AC277-480V)	15''*15''*8.7''	1PCS	14.48lbs	16.25lbs	615pcs	1692pcs

Ordering Guide

Example: 109C2-150W-JHOOK+109C2-BB-40W

PRODUCT TYPE	PRODUCT NAME	CCT	INPUT VOLTAGE	WATTAGE FIXED	SPECIAL FEATURES	ADD ON
UFO HIGHBAY	109	C = 5000K	2 = 120-277V	150W	J-HOOK	109C2-BB-40W = BATTERY BACKUP ***** 109C2-BB-25W = BATTERY BACKUP ***** 109-SENSOR-WH/BK = OCCUPANCY SENSOR ***** 109-REMOTE = REMOTE FOR SENSOR ***** 109-HOOK-O = O HOOK ***** 109-CHAIN ***** 109-REFLECTOR-S = PLASTIC RELECTOR 150W 109-REFLECTOR-L = PLASTIC RELECTOR 250W
			7 = 277-480V	250W		

Safety Precautions

- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance on this equipment, follow these general precautions.
- Commercial installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
- For The installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING: RISK OF FIRE OR ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring the fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that the supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.

CAUTION: RISK OF INJURY

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

Emergency Battery Backup



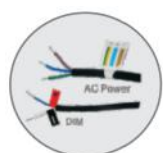
Product Features:

- Self-testing
- Constant output power
- High Output Voltage
- Battery: Over Temperature Protection
- Remote Test Switch: Distance for 98ft (This accessory is optional)
- Low energy consumption CEC Title20 compliance
- Listed to UL924 and tested to CSA C22.2 No. 141 Field or Factory Installation
- UL Listed for US and Canada



Specifications

- Input Voltage: 100~347Vac, 50/60Hz
- Input Current: 200mA max
- Input Power Rating: 12W max
- Recharge Time: 24Hrs
- Output Voltage: 170Vdc
- Emergency power: 15W / 25W / 40W
- Discharge Time: 1.5H
- Battery: Ni-MH or Li-ion
- Warranty: 5 years
- Ambient Temp: 32~122°F (0~50°C)
- Weight: 4.14lbs (1.88kg)



- Emergency output wire to led driver AC input

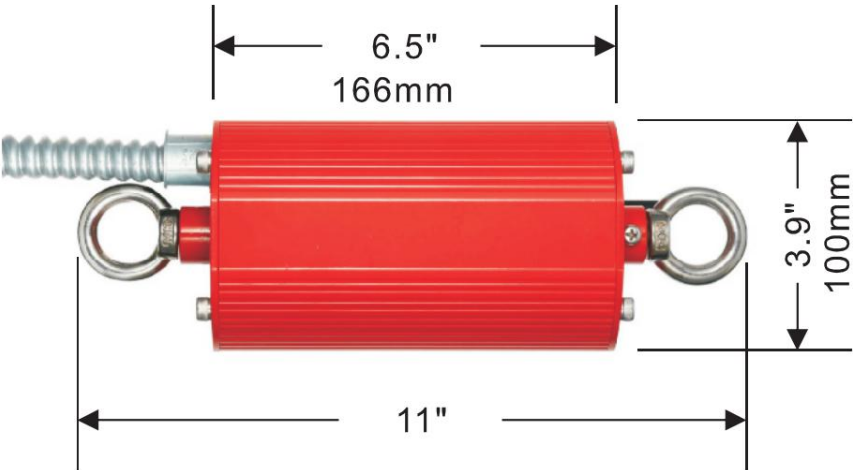


- 2-in-1, waterproof Led test switch and indicator light
- UL Listed Water-proof Flexible Conduit : 13"

Dimension

Model NO.

Model NO.	Emergency Power
EMUFO-15170-YY	15W
EMUFO-25170-YY	25W
EMUFO-40170-YY	40W



Accessories



- A
- (8) pcs of wire nuts
 - (2) pcs of hooks
 - (1) pc of signal receiver



- B
- (1) pc of safety rope
 - (1) pc of chain link connector



- C
- (1) pc of flex conduit 13"

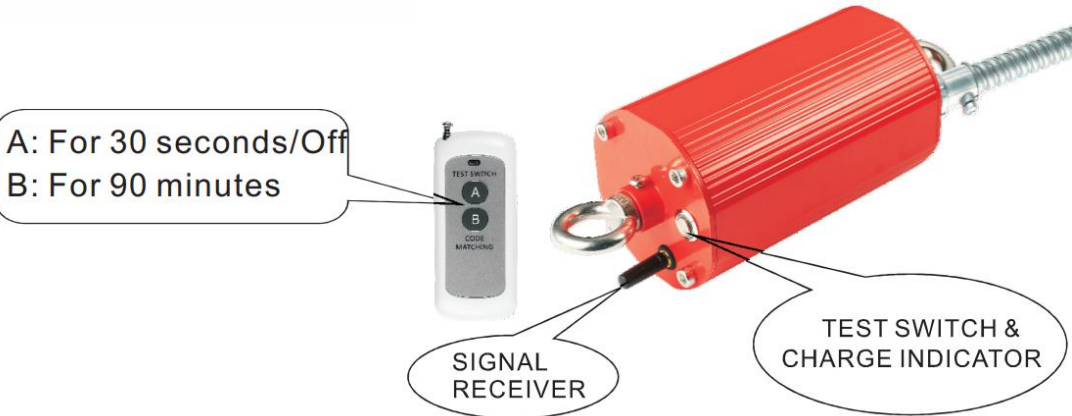


- D
- (1) pc of remote

Self-Test

- The emergency LED driver contains a control/monitor circuit that will perform a 30-second discharge test once a month and a full discharge test once a year. Currently, the unit simulates an AC power failure and automatically switches to emergency mode. During routine testing, the team will monitor the operation of the LED load, battery voltage, and emergency duration; if the unit detects any problems, the indicator will flash quickly.

Function



Indicator Light:

- AC operation, the indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 2 seconds, light off for 2 seconds)
- In a failure, the indicator light flash quickly (light on for 0.2 seconds, light off for 0.2 seconds)

Test Switch:

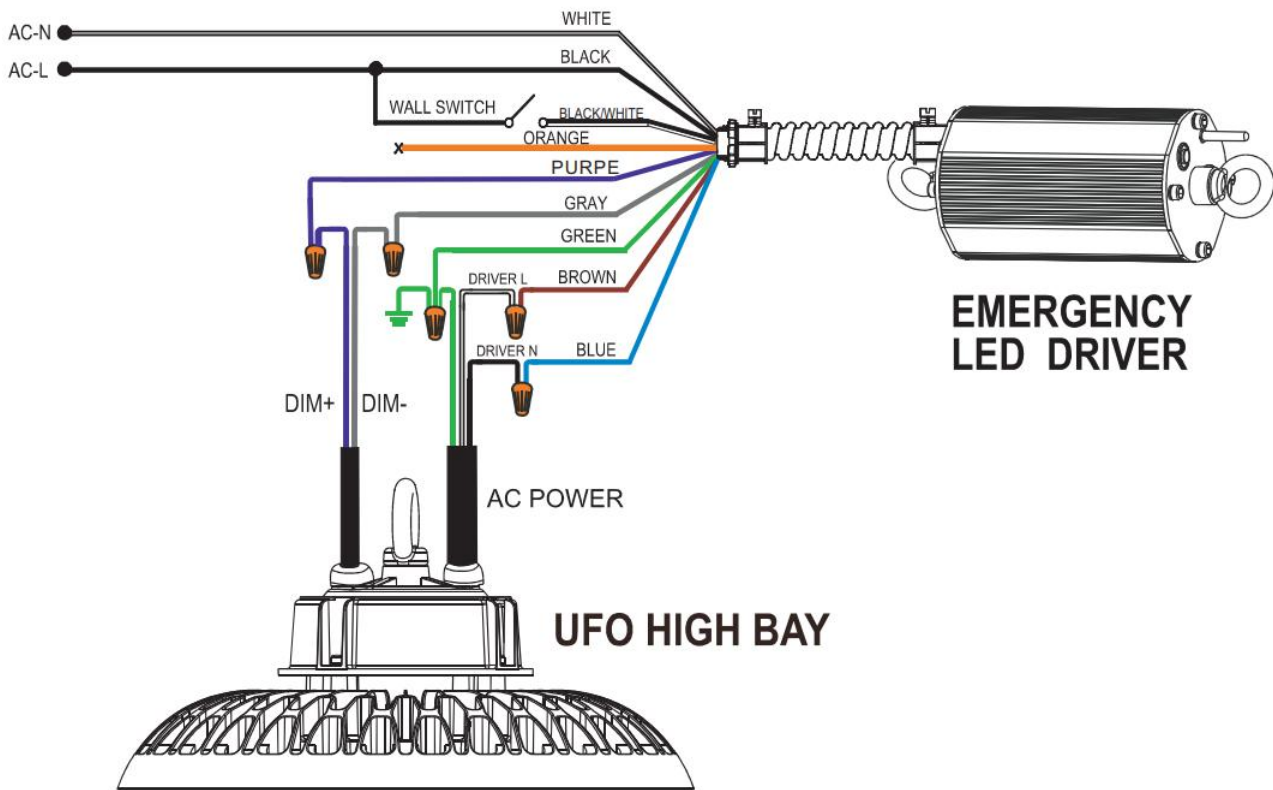
- In AC Operation, press the test switch or "A" on the remote test switch; the fixtures will switch to the emergency model for 30 seconds.
- In AC Operation, press "B" on the remote test switch; the fixtures will switch into emergency mode for 90 minutes.
- In an emergency operation, press "A" on the remote test switch 10 seconds later, and the fixtures will switch to the AC model.

Wiring Diagram

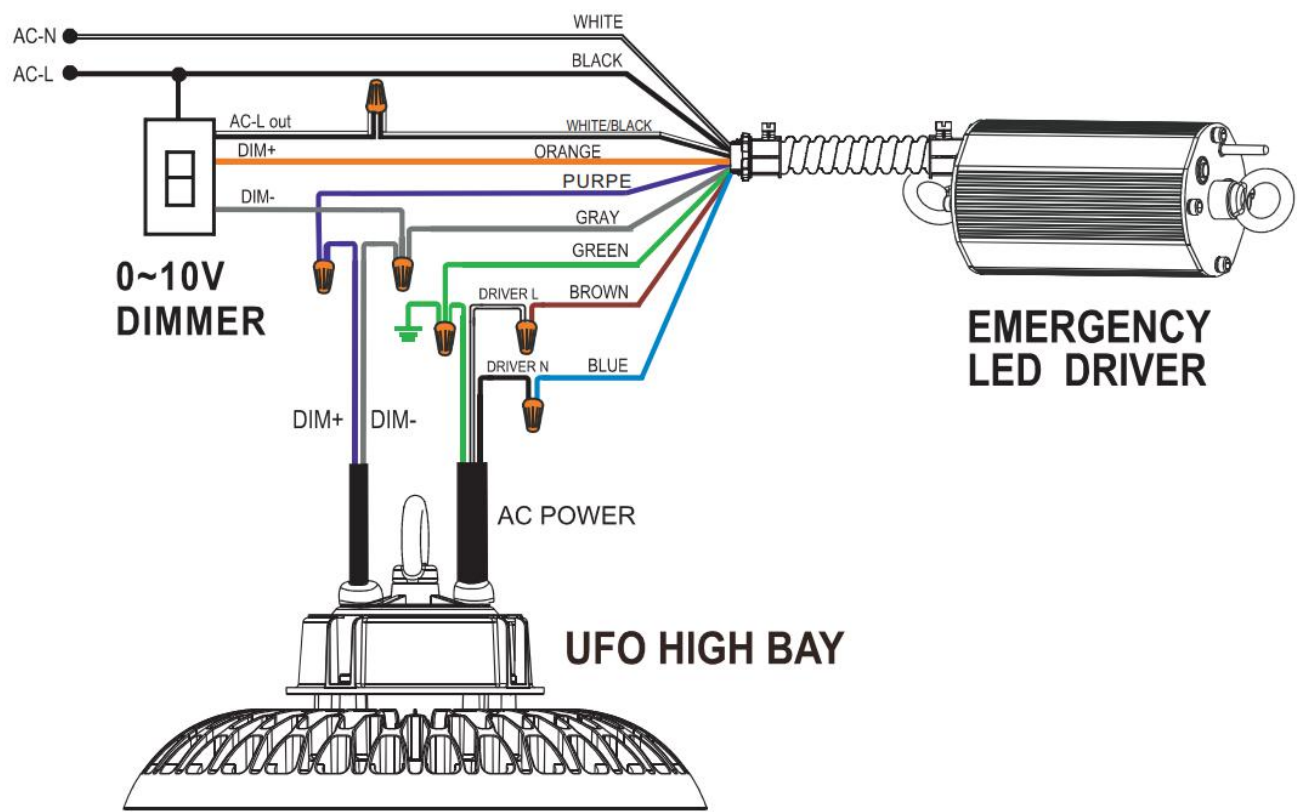
CAUTION:

- During AC operation, remember no touch or remove any wires in case of electric shock.
- During emergency operation, before touching or disconnecting any of the wires, make sure press test switch or button "A" on remote test switch to turn off power.
- The voltage input to the dimmable wires(DIM+,DIM-) of emergency LED driver must less than 20Vdc.
- For emergency LED driver of EMUFO-15170-YY/EMUFO-25170-YY better work with LED lamp not more than 150W, 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.

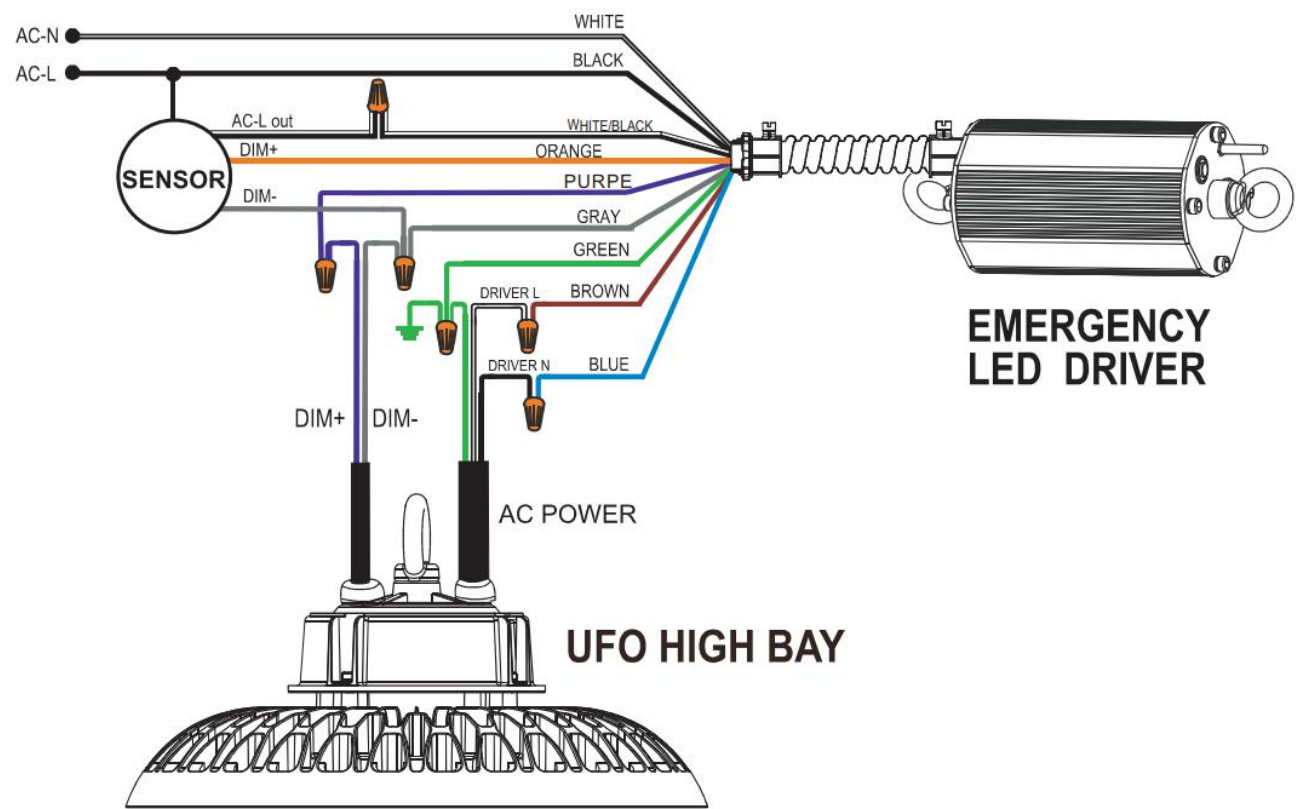
A) Without Dimmer and Sensor



B) With Dimmer



C) With Sensor



Packaging Details

Power	Length(inch)	Width(inch)	Height(inch)	G.W(kg)	N.W(kg)	QTY(pcs)
15W	16.06"	15.47"	10.31"	10	6	4
25W	16.06"	15.47"	10.31"	10.5	7	4
40W	16.06"	15.47"	10.31"	11	7.5	4

