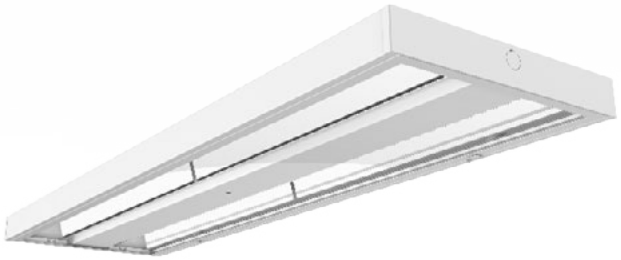
SUITABLE FOR MODEL



SAFETY INSTRUCTION:

READ CAREFULLY BEFORE INSTALLING FIXTURE. PLEASE KEEP THIS MANUAL FOR FUTURE USING.
Fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety.
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
MAKE CERTAIN POWER OFF BEFORE INSTALLING OR MAINTAINING FIXTURE.
CHECK THAT VOLTAGE IS COMPATIBLE WITH FIXTURE DRIVER, USE APPROVED CONNECTORS FOR ALL ELECTRICAL CONNECTIONS.
RISK OF FIRE OR ELECTRIC SHOCK. MAKE SURE POWER SUPPLY IS OFF BEFORE INSTALLING OR MAINTAINING THE PRODUCT.
RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS PRODUCT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWINGS AND WHERE THE INPUT RATING OF THE PRODUCT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.
RISK OF FIRE OR ELECTRIC SHOCK. TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.
RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.
RISK OF FIRE OR ELECTRIC SHOCK. ONLY THOSE OPEN HOLES INDICATED IN THE PHOTOGRAPHS AND/OR DRAWINGS MAY BE MADE OR ALTERED AS A RESULT OF KIT INSTALLATION. DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING INSTALLATION.
RISK OF FIRE OR ELECTRIC SHOCK. NEVER PERFORM MAINTENANCE OR CLEANING WHILE FIXTURE IS ENERGIZED. DISCONNECT POWER AND ALLOW FIXTURE TO COOL BEFORE MAINTAINING.
RISK OF INJURY. WEAR SAFETY GLASSES AND GLOVES DURING INSTALLATION AND SERVICING.

MAINTENANCE CAUTION

1. Review the wire connection before beginning, and make sure fixture is grounded properly.
2. For lighting controls, using functioning correctly.
3. Turn power off and wait for fixture cooling to operate.
4. Maintenance must be done by professionals.
5.This unit has more than one power supply connection point.

To reduce the risk of electric shock, disconnect the brand circuit-breakers or fuses and emergency power supply unit before servicing.
When using electrical equipment and this lighting device basic safety precaution should be followed at all times including but not limited to the following:

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

·IMPORTANT: An un-switched AC power source of 120VAC to 277VAC is required for the yellow/black and white leads.
·IMPORTANT: A switched or un-switched AC power source of 120VAC to 277VAC is acceptable for the black lead only.
·This device is designed for use in fixtures listed for **dry and damp locations.**

·**CAUTION:** Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
·**CAUTION:** Do not let power supply cords touch hot surfaces.
·**CAUTION:** Do not mount near gas or electric heaters.
·**CAUTION:** Do not use this emergency driver with accessory equipment other than recommended by manufacturer; failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel.
·**CAUTION:** Do not use this emergency driver for other than intended use.
·**CAUTION:** Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly.
·**CAUTION:** Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
ASSEMBLY and FIELD INSTALLATION WIRING: WARNING: AC power must be off before proceeding with assembly, installation or servicing of emergency driver. Additionally ensure that the battery is disconnected (Battery Switch set to OFF).
TESTING SYSTEM: The emergency battery requires a minimum charge time of one (1) hour before testing the circuit. A minimum of twelve (12) hours is required for a full charge.
RATED EMERGENCY OPERATION: Ninety (90) minutes for the 10W load or one hundred eighty (180) minutes for the 5W load. The 10W or 5W option is determined by the position of Dip Switch 1 (Emergency Power Selection Switch). Default setting is 10W.

FOR THE LED EMERGENCY DRIVER

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY
SELF DIAGNOSTIC INSTRUCTIONS / OPERATION:
If Dip Switch 2 (Self-Diagnostic Switch) is set to the OFF position:
A functionality test shall be manually conducted by pressing the black test switch for thirty (30) seconds every thirty (30) days to ensure the emergency LED light source illuminates as intended. A full discharge test shall be conducted once a year; the LED light source shall illuminate for a minimum of ninety (90) minutes for the 10W load or one hundred eighty (180) minutes for 5W load.
If Dip Switch 2 (Self-Diagnostic Switch) is set to the ON position:
The self diagnostic feature is set. The self diagnostic cycle is activated by pressing the charge switch three (3) times. Once the self diagnostic is activated, the emergency LED driver will conduct a self check for thirty (30) minutes every thirty (30) days; and ninety (90) minutes or one hundred eighty (180) minutes self check every 12 months. After every self check the LED indicator light will indicate a status signal. Refer to table 1 for details.

TABLE 1 - Self Diagnostic Indications	
LED Indicator Status Signal	Description of Status Signal
0.5s ON and 0.5s OFF	Battery disconnected.
2.5s ON and 2.5s OFF	LED load disconnected.
4.5s ON and 0.5s OFF	Driver in self-diagnostic mode.
1.5s ON and 3.5s OFF	Battery needs to be replaced.
0.5s ON and 4.5s OFF	Damaged driver. Needs to be replaced.
ON	Normal/Charging.
OFF (With LED Load ON)	Discharging / Emergency Operation.

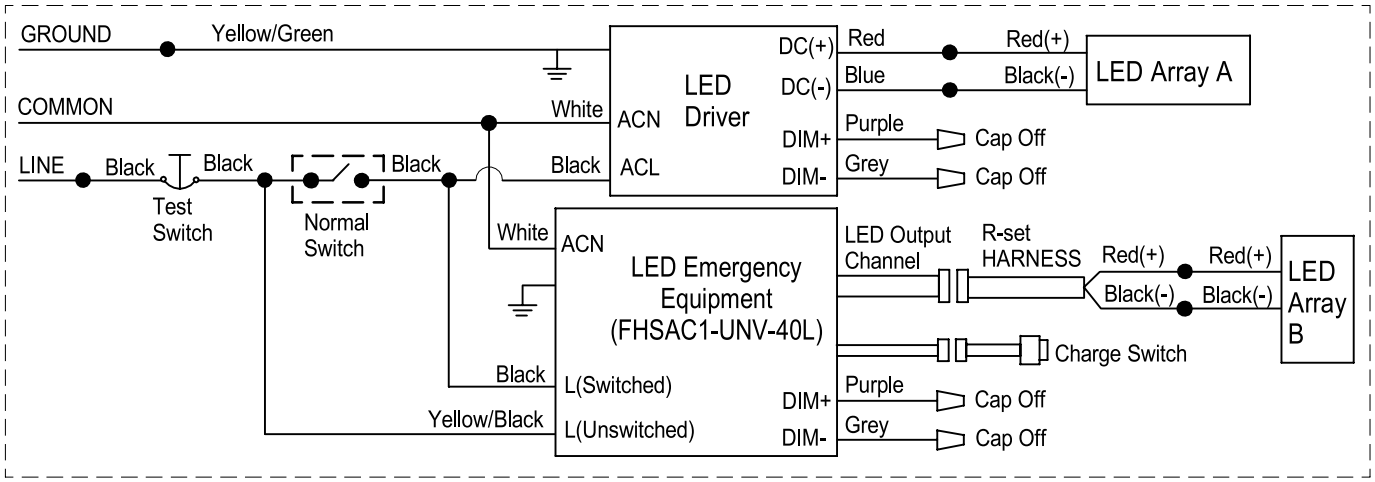
Note: To check the self diagnostic result, please make sure that the normal switch of the fixture is turned off.

WIRE CONNECTION

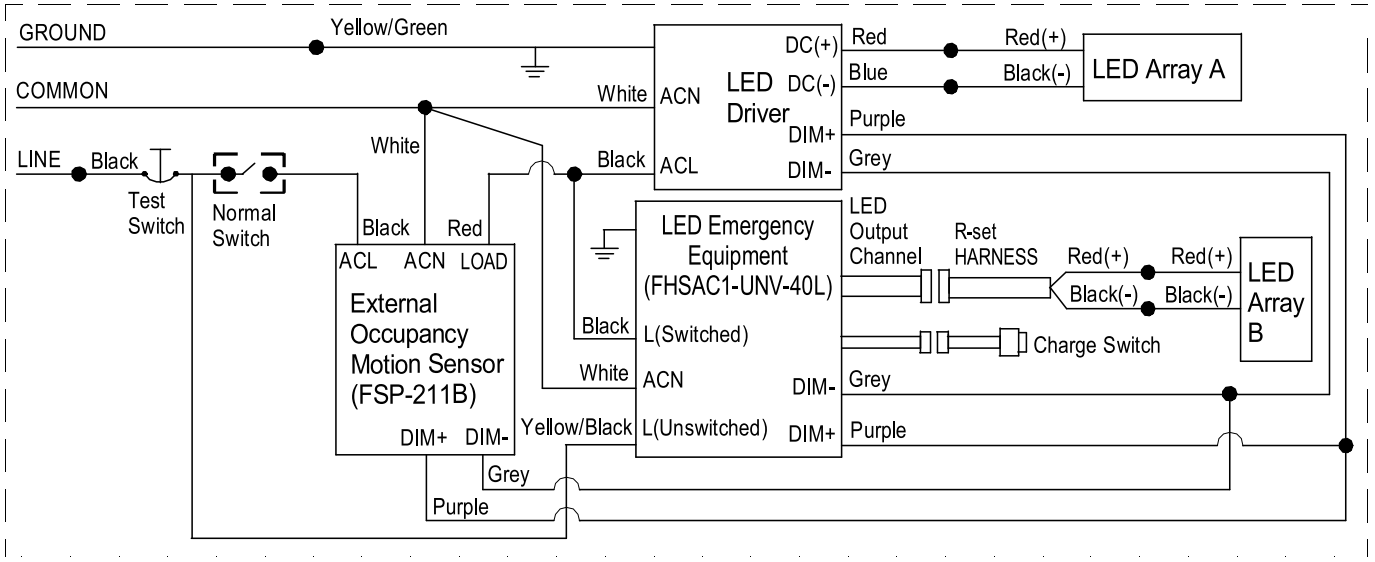
Universal voltage driver permits operation at 120V thru 277V, 50 or 60Hz
1. If switching, connect SWITCHED black lead to a switch.
2. If not using a switching method, connect the UNSWITCHED and SWITCHED black lead together.
3. Connect the UNSWITCHED black fixture lead to the LINE supply lead.
4. Connect the COMMON white fixture lead to the COMMOM supply lead.
5. Connect the GROUND wire from fixture to supply ground.

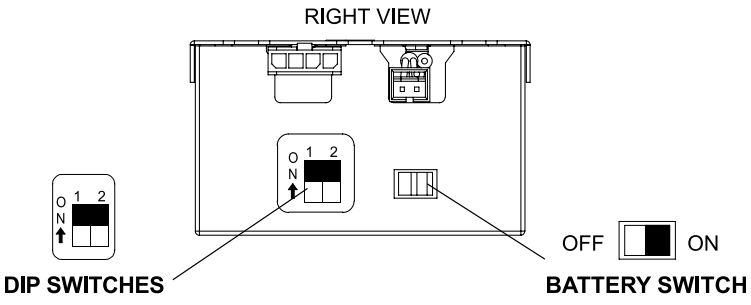
CAUTION:
1. All unused leads must be capped and insulated.

Wiring Diagram For 120-277V Emergency Battery Back-up



Wiring Diagram For 120-277V Emergency Battery Back-up & External Occupancy Motion Sensor

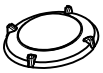




DIP Switch		Factory Set
ON 1 2	5W Emergency Self-Diagnostic OFF	
ON 1 2	5W Emergency Self-Diagnostic ON	
ON 1 2	10W Emergency Self-Diagnostic OFF	√
ON 1 2	10W Emergency Self-Diagnostic ON	

INSTALLATION

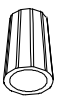
ACCESSORY PACK FOR MOTION SENSOR (shipped together)



SENSOR LENS X 1

V-HOOK MOUNT

ACCESSORY PACK (shipped together)

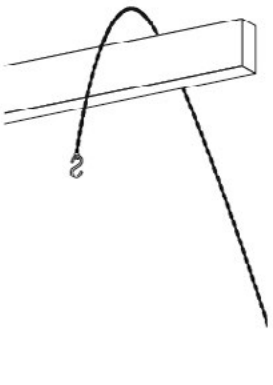


WIRE NUT X 5

V-HOOK X 2

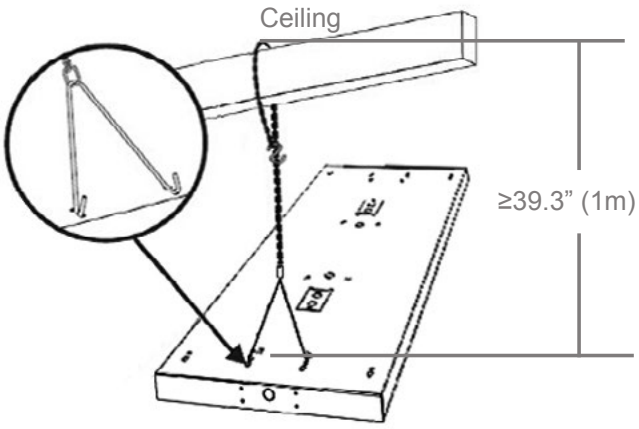
SAFETY CHAIN X 1

Installation: Using Standard hanging V-Clips and chain
1. Loop the **chain** around the ceiling or service attachment point.
2. Use an **S or similar connector** to close the loop.
3. Slide the other end of the **chain** through the **V-Clip** provided with the fixture. Install the **V-Clip** into the **two slots** shown above to support the fixture. The distance between ceiling and fixture is 39.3” (1m) at least.



Step 1

Step 2



Step 3

