



EGRESS LIGHT FIXTURE

Compact LED Emergency Light

Installation, Operation and Service Instructions

Maintenance

It is recommended that emergency light fixtures be tested for 30 seconds once a month and for 90 minutes once a year.

Taking A Unit Out Of Service

If a unit is to be deliberately taken out of service for an extended period, the battery lead connector should be disconnected so that the battery will go into storage in a fully charged condition.

Replacing The Battery

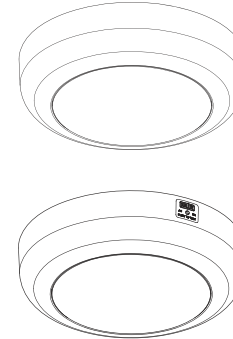
All installation, operation, and maintenance should be performed by qualified service personnel.

1. De-energize the AC power.
2. Open battery door.
3. Disengage the battery and heater (if provided) harness from the charger PCB harness.
4. Remove battery pack.
5. Replace with new battery (see unit model or battery label for correct p/n) and repeat steps above in reverse.
 - 1) Replace battery with Dual-Lite part number 93103223" for models EVSBNE, EVSDBE, EVSWE;
 - 2) Replace battery with Dual-Lite part number 93109133" for models EVSBNE-HTR, EVSDBE-HTR, EVSWE-HTR.

Troubleshooting


Emergency Circuit does not work

- Batteries are shipped uncharged, please charge for 24 hours before testing.
- Check wiring connections.



EVSBN	■ Non emergency	■ Brushed nickel
EVSDB	■ Non emergency	■ Dark bronze
EVSWE	■ Non emergency	■ White

EVSBNE	■ Emergency	■ Brushed nickel	
EVSDBE	■ Emergency	■ Dark bronze	
EVSWE	■ Emergency	■ White	
EVSBNE-HTR	■ Emergency	■ Brushed nickel	■ Heater
EVSDBE-HTR	■ Emergency	■ Dark bronze	■ Heater
EVSWE-HTR	■ Emergency	■ White	■ Heater



RECYCLING INFORMATION

All steel, aluminum and thermoplastic parts are recyclable.
 NOTICE: Emergency units contain rechargeable batteries which must be recycled or disposed of properly.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors. This product is suitable for use in damp locations.
2. Do not let power supply cords touch hot surfaces.
3. Do not mount near gas or electric heaters.
4. Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
5. The use of accessory equipment not authorized by the manufacturer may cause an unsafe condition.
6. Do not use this equipment for other than its intended purpose.
7. All installation, operation, and maintenance should be performed by qualified service personnel.
8. Test cycling: the Life Safety Code (NFPA 101) requires testing of emergency lighting units once a month for a minimum of 30 seconds, and once a year for a minimum of 90 minutes.

INSTALLER:

- **SEE UNIT LABEL FOR ADDITIONAL MODEL SPECIFICATIONS**
- **SAVE THESE INSTRUCTIONS FOR USE BY OWNER/OCCUPANT**

WARNING – This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning or otherwise touching this product.

INSTALLATION

CAUTION: DISCONNECT POWER DURING INSTALLATION AND BEFORE SERVICING.
 READ ALL INSTRUCTIONS COMPLETELY BEFORE STARTING INSTALLATION.

This Series is designed to be ceiling mounted in the down-light configuration only.

IMPORTANT WIRING INSTRUCTIONS

- 1) An un-switched AC power source of 120/277VAC is required for charger pcb black (120/277VAC)
- 2) Emergency charger and AC LED Driver must be fed from the SAME BRANCH CIRCUIT

Connect the black wire from the unit to the building AC (120 or 277 VAC) and the white wire to the building neutral wire. Connect the bare copper wire to the building ground.

Ceiling mounting of unit

All installation, operation, and maintenance should be performed by qualified service personnel.

- 1) Take the battery out, then make the battery connections. see figure1.
- 2) Insert battery into the battery compartment and install battery cover. See figure1.
- 3) Attach the mounting plate to the junction box. see figure 2.
- 4) Use approved connectors to connect the unit to the building supply leads and insert all connections into the junction box.
- 5) Snap the unit into the mounting strap.
- 6) Test unit per manual test.

Figure 1

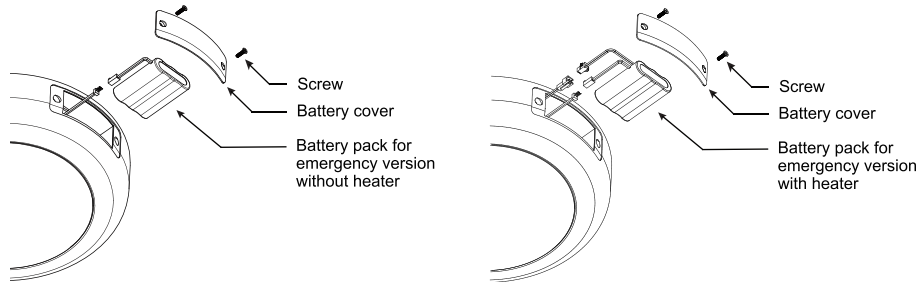
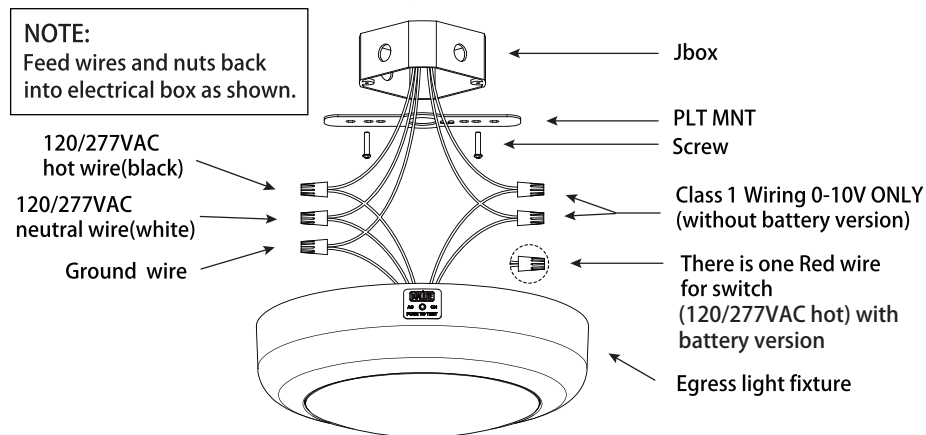


Figure 2



120/277VAC	Connect black (hot) and neutral (white) to supply.
Ground	Connect bare copper wire to ground.
Class 1 Wiring	For non emergency version : connect 0-10 VDC dimmer switch. connect Violet (+) wire to dimmer switch(+). connect Gray (-) wire to dimmer switch(-).
	For emergency version: 120/277VAC red wire for switch control.

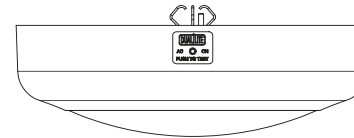
"POWER" LED is illuminated when AC power is present. NOTE: All models are supplied with an AC Lockout circuit, which prevents the emergency lights from illuminating when the battery is connected and no AC is present.

NOTE: All models are supplied with Low Voltage Disconnect circuit, which prevents damage to the battery from deep discharge during prolonged emergency operation.

NOTE: Batteries are often shipped in a discharged state - this is normal. The battery will require charging. Allow 24 hours of charging before testing the unit.

NOTE: When the maximum installation height is 10.76ft (3.28M), Individual luminaires shall provide at least 1.0ft candlelight in emergency state .

OPERATING STATUS INDICATOR:



OPERATING STATUS INDICATOR :

- OFF = AC OFF
- GREEN ON = READY
- BLINKING GREEN = TEST IN PROGRESS

SERVICE ALERT CODES :

- 1 RED BLINK = BATTERY DISCONNECTED
- 2 RED BLINKS = BATTERY FAULT
- 3 RED BLINKS = CHARGER FAULT
- 4 RED BLINKS = TRANSFER FAULT
- 5 RED BLINKS = LED FAULT

Manual Tests

- 1) Press the test button 1 time and the unit will switch to emergency mode for 1 minute. Press the test button 1 time again after 3 seconds to cancel the manual test and return to normal mode.
- 2) Press the test button 2 times and the unit will switch to emergency mode for 90 minutes. Press the test button 1 time again after 3 seconds to cancel the manual test and return to normal mode.