LED Fixture Wall Mounting Guidance

This fixture must be wired and installed in accordance with the **NATIONAL ELECTRICAL CODE** and all state and applicable local codes and ordinances. These codes and ordinances supersede any and all guidance contained herein. Installation should be performed only by a licensed and bonded electrician.

The manufacturer takes no responsibility for the product not installed under those guidelines and those contained in this document.

WATERPROOF SILICONE SEALANT REQUIRED!

For proper weatherproof function, all gaskets must be seated properly, and all screws inserted and tightened firmly. Installer MUST apply weatherproof silicone sealant (NOT included) at ALL potential water entry points to meet the NEC Code requirement for a sealed waterproof raceway system. This is especially important for uneven wall surfaces.

SEAL ALL POTENTIAL WATER ENTRY POINTS:

- Perimeter of fixture housing at wall
- Surfaces between fixture and gaskets
- Surfaces between gaskets/fixtures and recessed junction boxes
- Surfaces between fixture mounting plates and wall
- Threaded couplings installed into housing
- Wiring entrance points
- Mounting holes and mounting hardware
- Any unused mounting holes
- Any opened and reinstalled coin plugs

Diagram 1:
Fixture Using Surface Mount Conduit with Wall Anchors

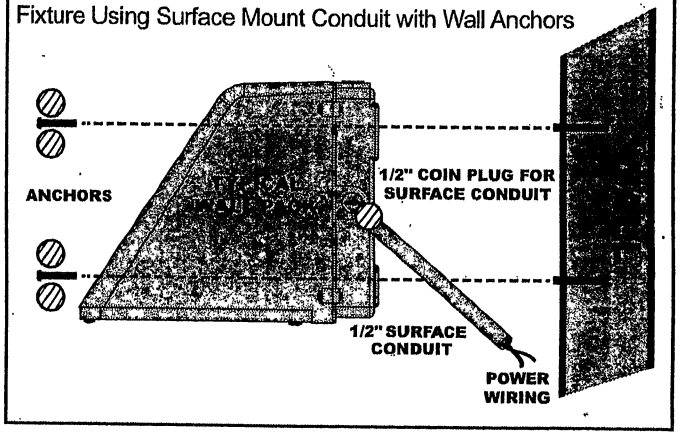


Diagram 2:
Fixture Over Recessed Box with Wall Anchors

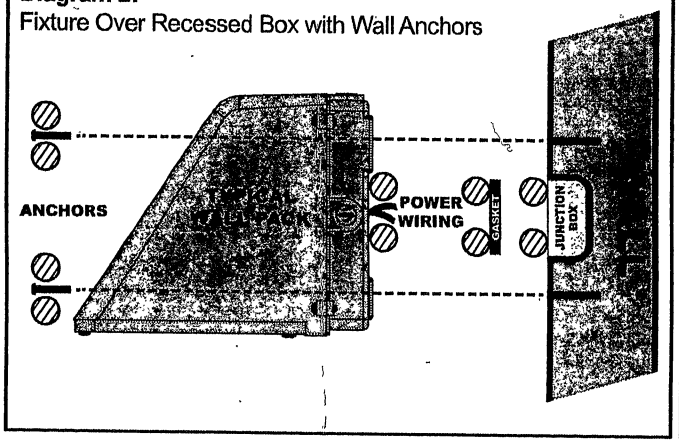


Diagram 3:
Fixture Using Easy-Hang Bracket to Recessed Junction Box

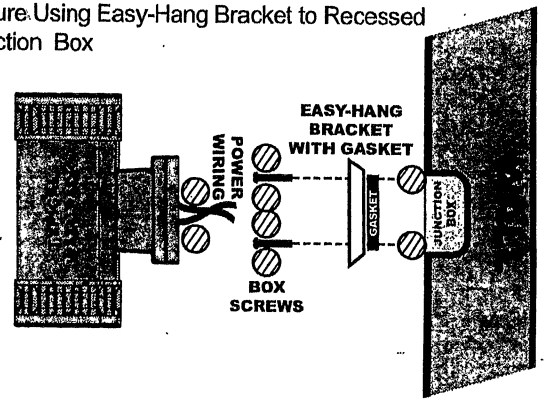


Diagram 4:
Fixture with Wall Anchors and Conduit Feed Through Wall

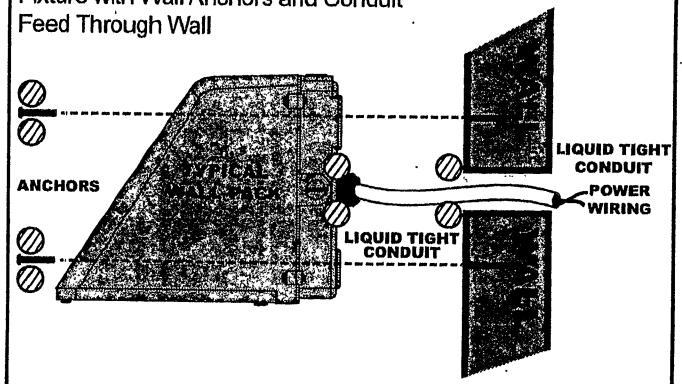
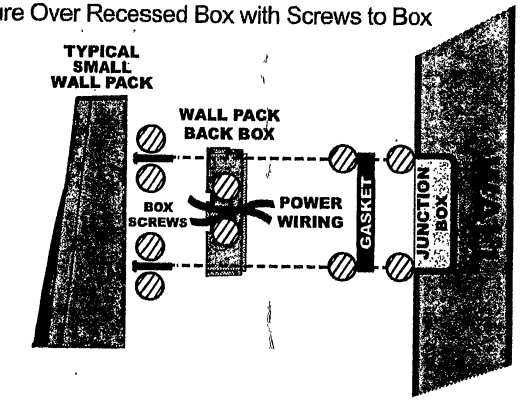
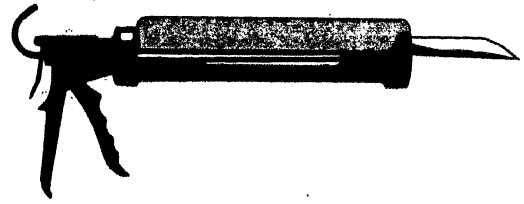


Diagram 5:
Fixture Over Recessed Box with Screws to Box



INDICATES SEALANT LOCATIONS



WATERPROOF SILICONE SEALANT REQUIRED!

FAILURE TO COMPLETELY SEAL FIXTURE WILL VOID PRODUCT WARRANTY

CONSTANT CURRENT

EMERGENCY BACK-UP LED DRIVER

Input Voltage: 120-277V, 50.60Hz • Surge Rating 3Kv

Emergency Battery Back-up (EMB) 15-55V

INSTRUCTION MANUAL

IMPORTANT SAFEGUARDS

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

Read and Follow All Safety Instructions:

Model# ACE-X10-55-190

1. Caution – To prevent electrical shock, do not connect battery until installation is complete and A.C. power is supplied to the unit.

2. Caution – A fixture can have more than one power supply source. To reduce the risk of electrical shock, disconnect both normal and emergency sources by turning off the A.C. branch circuit and disconnecting the battery connector.

3. Caution – This is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.

4. Installation and servicing should be performed by qualified personnel only. De-energize before opening.

5. The EMB is meant to be used with an LED driver that has an output voltage range of 15-55 VDC.

6. The (EMB) requires an unswitched A.C. power source of 120 to 277 volts, AC, 50/60Hz.

7. The (EMB) and A.C. Driver must be on the same branch circuit.

8. Do not mount near gas or electric heaters.

9. The (EMB) should be mounted in it's final location and at heights where it will not readily be subject to tampering by unauthorized personnel.

10. The (EMB) will supply 15-55V output at the individual rated specification for 90 minutes. See individual units for output specifications.

11. Operating Temperature Range 0˚C minimum through 55˚C; maximum case temperature 66˚C.

12. Do not use this equipment for other than intended purpose.

13. Install in accordance with the National Electrical Code and local regulations.

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INSTALLATION INSTRUCTIONS
ACE-X10-55-190

The (EMB) has 3 input wires. One black, one white and one yellow/black. The yellow/black wire connects to your live AC input and is what charges the battery. The black wire is the AC output to an external AC approved driver and the white is the neutral connection which is shared between both the external driver and the back-up.

On the output, the back-up has 4 wires, one red, one blue, one yellow and one brown. The purpose for the brown and yellow wires is to redirect the output of the external driver through the blue and red output leads through the back-up.

1. First Step: Wire the input
Connect the yellow/black wire to your live AC input. Next connect the black wire from the back-up to the black AC input wire from your external driver. This will allow the external driver to be powered by the same AC input that charges the battery. Then, connect both white wires from the back-up and the external driver to your neutral AC input.

2. Second Step: Wire the output
Connect the yellow wire from the back-up to the positive output wire from the external driver. Next, connect the brown wire from the back-up to the negative wire from the external driver. Once again, this will redirect the output of the external driver through the output leads of the back-up. Lastly, connect the blue (-) and red(+) wires from the back-up to your light source. (Observing polarity)

3. Third Step: Ensure that the battery is connected to the rest of the unit.
Connect the battery to the back-up using either the battery switch or the battery connectors.

4. Fourth Step: Install the battery switch in its wall plate
If a wall plate is to be used, simply install the test switch in the wall plate by disconnecting the switch temporarily and mounting the switch inside the wall plate using the silver nut included. Once the switch is installed, simply mount the wall plate using the included screws. Lastly, reconnect the test switch to the back-up.

5. Fifth Step: Turn on the AC power
Now that the back-up has been wired correctly, turn on the AC power to test the functionality of the unit.

6. Final Step: Test the Back-up
The final step is to test our Emergency Back-up. This can be achieved two different ways:

The first and easiest way is to use the test switch. The red indicator LED inside of the switch should be turned on. This indicates that AC power is running into the back-up and is charging the battery. The red light also acts as a safety feature and is meant to alert the user that AC power is turned on. If the switch is pressed, we can see that the back-up switches from AC power to the battery's DC power, which keeps the lights turned on.

The second way to test the back-up is to turn off the AC power after it has been turned on. This simulates what would happen during a power outage. If the AC power is turned off, we can see that the back-up is running on DC power. If the AC power is turned back on, the external driver is activated and the battery begins to recharge.

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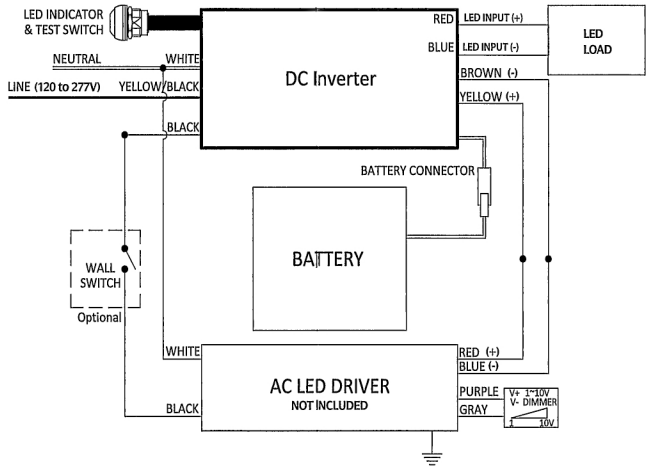
Emergency Battery Back-up (EMB) 15-55V

INSTALLATION INSTRUCTIONS
ACE-X10-55-190

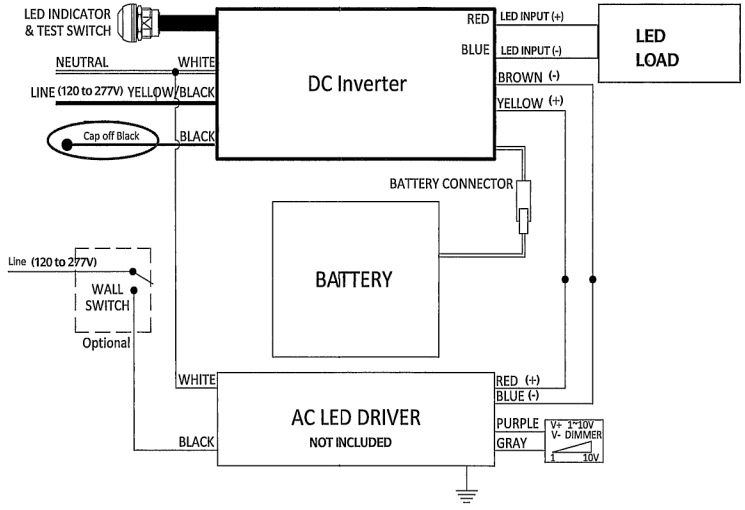
Recommended

(USE IF AN EXTERNAL SWITCHED LINE IS NOT AVAILABLE)



Alternate

(USE IF AN EXTERNAL SWITCHED LINE IS AVAILABLE)



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