

# ACE LED GARAGE FIXTURE (AG1)



## EMERGENCY BATTERY BACKUP ASSEMBLY INSTRUCTIONS



**READ CAREFULLY BEFORE INSTALLING THE EMB UNIT.**

**PLEASE KEEP THIS MANUAL FOR FUTURE USE.**

Fixtures must be installed and wired in accordance with the National Electrical Code (NEC) and all applicable local codes by a person familiar with the construction and operation of the product and hazards involved.

Proper grounding is required for safety.

Check that voltage is compatible with fixture driver, use approved connectors for all electrical connections.

Be cautious of any sharp edges. Wear proper PPE (personal protected equipment) while handling.

Fixture not suitable for use in corrosive environments, and with thermal insulation.

Must use appropriate strain relief in accordance with local code when connecting power cord to junction box.



### **WARNING**

**Risk of Fire or Electric Shock**

Risk of fire or electric shock. Make sure power is off at the circuit breaker before installing or maintaining the product.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Installation guide requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Never perform maintenance or cleaning while fixture is energized. Disconnect power and allow fixture to cool off before maintaining.



### **MAINTENANCE CAUTION**

Review the diagrams before beginning and make sure the fixture is grounded properly.

Use driver wiring diagram.

Maintenance must be done by qualified electricians.

Use a clean, dry cloth to clean the fixture.

**For any questions regarding wiring, installation, or use of this fixture, please call 559-485-6010 or email [techsupport@linmoreled.com](mailto:techsupport@linmoreled.com)**

# AG1 EMERGENCY BATTERY BACKUP ASSEMBLY INSTRUCTIONS



## EMB Box

This is how you will receive the EMB box.



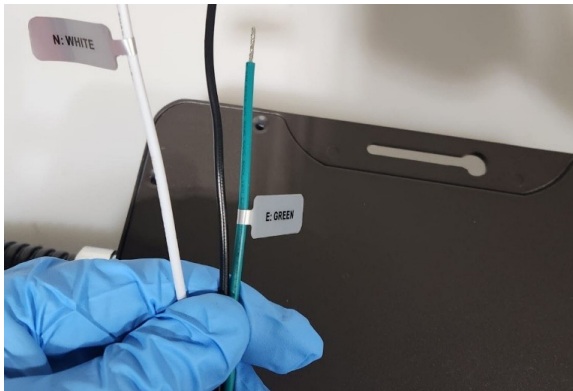
## Box Contents

Includes the EMB unit, installation instructions, and a Ziplock bag.



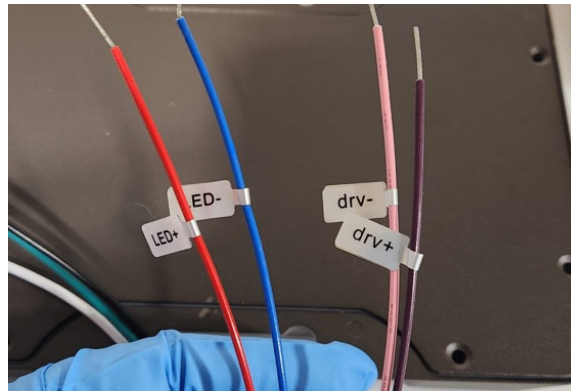
## Box Contents

The Ziplock bag contains all the essential hardware needed to assemble the EMB.



## AC Wires

The AC wires are labeled with flags: Neutral (white), Ground (green), and Phase (black).



## DC Wires

The DC wires are flagged as well: LED+ (red), LED- (blue), drv+ (purple), drv- (pink).



## Fixture Box

Open the box and remove the fixture to begin the preparation.

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## Opening the Fixture

Remove the four screws securing the top cover of the fixture.



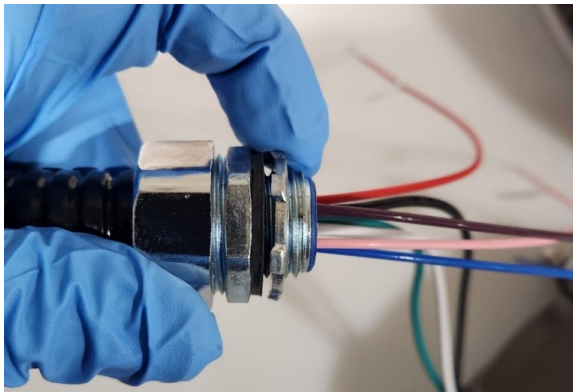
## Accessing the Fixture

Remove the top cover to access the interior of the fixture.



## Removing the Side Access Cover

Use a Phillips screwdriver to remove the side access cover, then slide in the wires to connect the EMB.



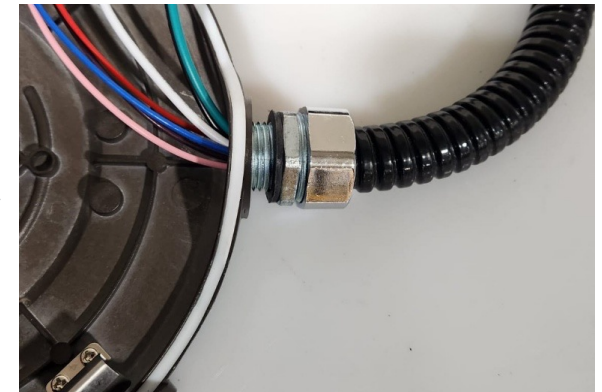
## Removing the Nut

Remove the nut from the EMB connector.



## Wiring the EMB

Slide the wires through the side access of the fixture.

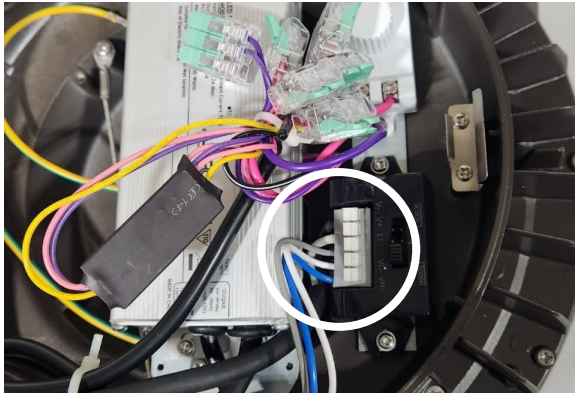


## Connecting the EMB

Once the wires are in place, connect and secure the EMB to the fixture.

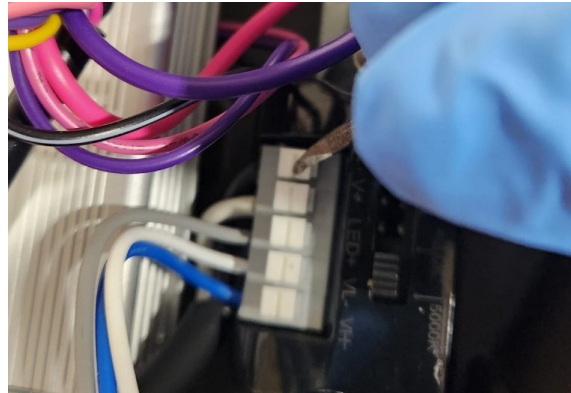


# AG1 EMERGENCY BATTERY BACKUP ASSEMBLY INSTRUCTIONS



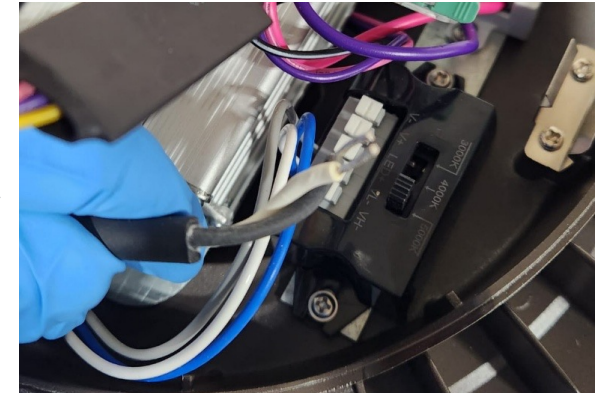
## Finding Driver Wires

Inside the fixture, locate the wiring connector marked within the circle.



## Disconnecting Driver Wires

Using a small flathead screwdriver, press the small tabs where the white and black wires are connected, then pull the wires to disconnect them.



## Preparing for EMB Connection

After disconnecting the driver wires from the connector, the fixture will be ready to connect to the EMB.



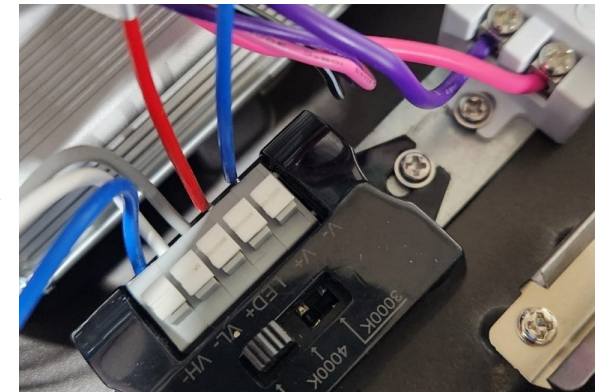
## Hardware Bag

From the hardware bag included in the EMB box, you will find block connectors needed to connect the EMB to the fixture.



## Connecting the EMB

Take the disconnected driver wires, and use the supplied block connectors to connect the drv+ (purple) wire to the white wire and the drv- (pink) wire to the black wire.



## Connecting the EMB

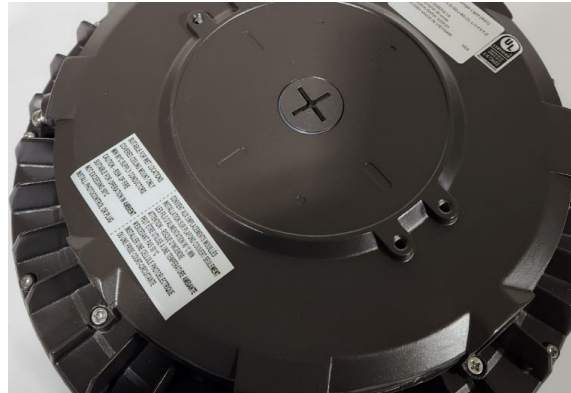
Connect the remaining two wires from the EMB (red and blue) to the wiring connector as follows: red (LED+) on V+ port, blue (LED-) on V- port.

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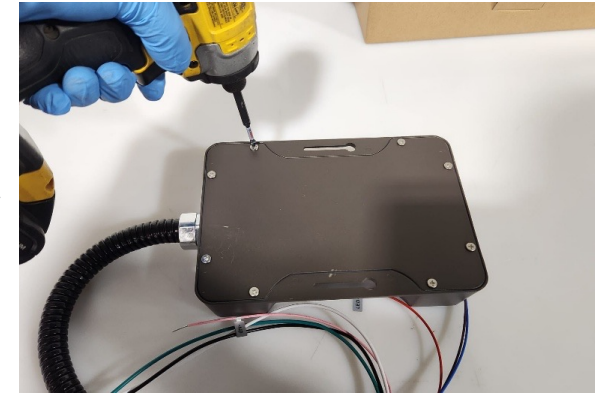
## Connecting the EMB

Connect the AC from the EMB to the fixture AC by matching the wires on the block connectors: white to white, black to black, and green to green.



## Closing the Fixture

After completing the wiring, connect the power cord. Refer to the wiring diagram on the last page for guidance.



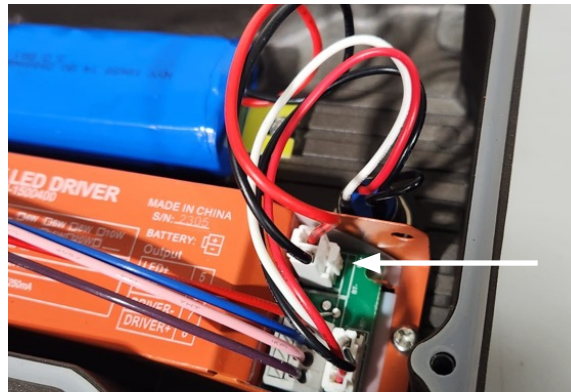
## Completing the EMB Assembly

As a final step, complete the assembly of the EMB by opening the cover of the EMB box.



## Inside of the EMB

Identify the battery connector.



## Connecting the Battery

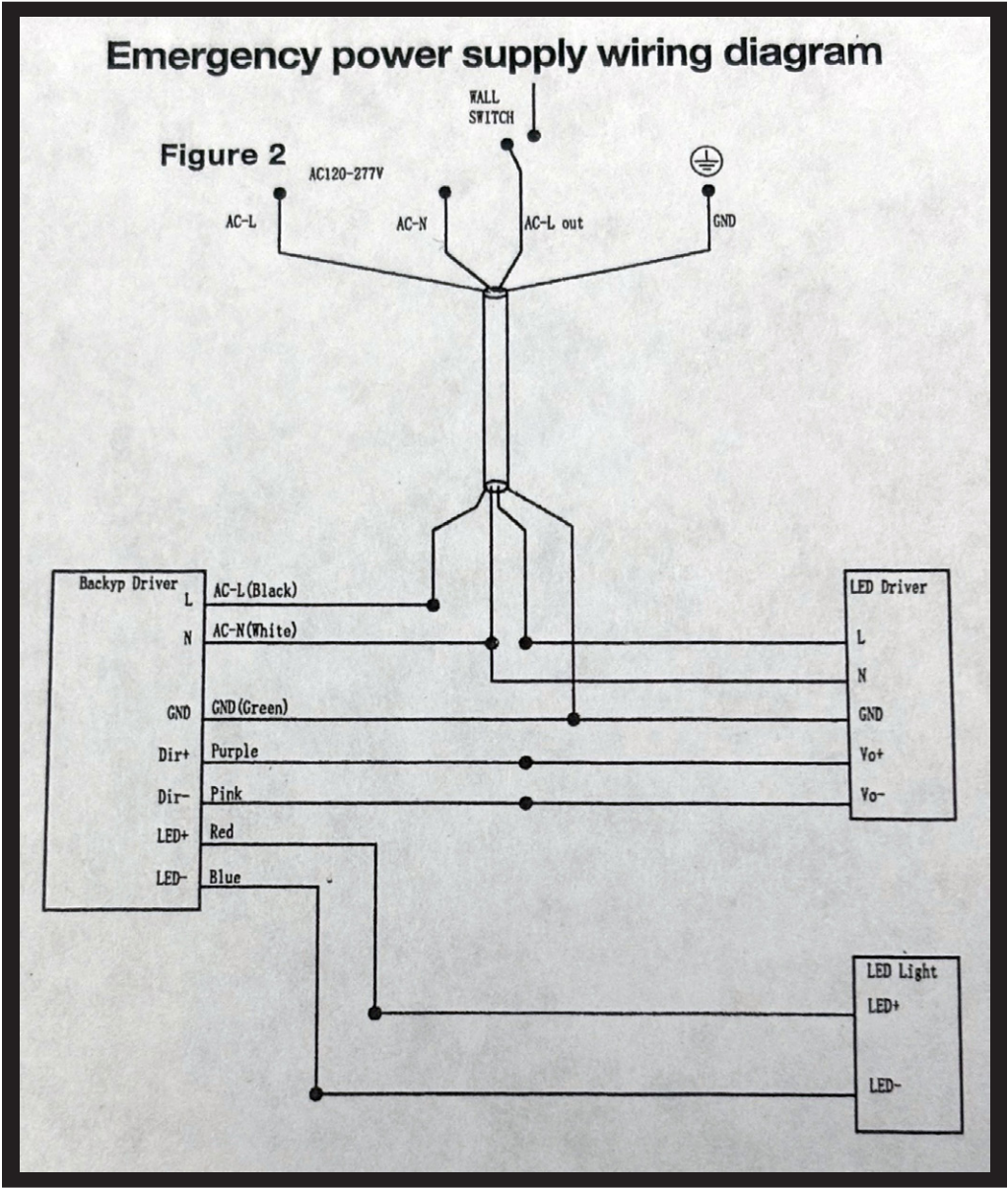
To complete the assembly, connect the battery to the EMB driver as shown in the image.



## Closing the EMB Box

After assembly, ensure the gasket is properly seated, close the box, and secure the screws. The fixture is now ready to install.







**Linmore LED Labs, Inc.**

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