Notes

RECYCLING INFORMATION

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

Rev 08/27/25
COM_CUW2E_INST_R01

CUW2 Series

Decorative LED Outdoor/Indoor Emergency Wall Pack

IMPORTANT SAFEGUARDS

When using electrical equipment, always follow basic safety precautions:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Turn off the power supply before installation or servicing to prevent electric shock.
2. Review all diagrams and instructions thoroughly before beginning installation.
3. All electrical connections must comply with the NEC and local electrical codes. All work should be performed by a qualified electrician.
4. Do not allow power supply cords to come into contact with hot surfaces.
5. Do not install near gas or electric heaters.
6. Mount equipment in a location where it will not be easily accessed or tampered with by unauthorized personnel.
7. Use only accessories recommended by the manufacturer. Use of other equipment may create unsafe conditions.
8. Equipment is to be used only as intended.
9. Servicing should only be performed by qualified personnel.
10. Allow battery to charge for 24 hours before first use.

INSTALLER:

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

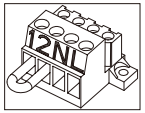
WARNING- This product contains chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm. Thoroughly wash hands after installing, cleaning, or otherwise touching this product.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FUNCTIONS

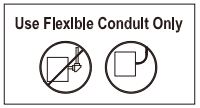
Functions are only available during general (non-emergency) mode.

1. Photocontrol Mode (Default):
   If ambient illumination is less than 0.93 fc, the fixture turns ON automatically. If ambient illumination exceeds 2.79 fc, the fixture turns OFF automatically.
2. Wall Switch Mode:
   To bypass the Photocontrol, toggle the slide switch downward, remove the jumper cable, and connect the wall switch between terminal 1 (hot switched wire) and terminal 2 (hot unswitched wire, same as L). When the slide switch is in the factory position, the Photocontrol is enabled. See wiring diagram.
3. Non-maintained (Emergency-only) Operation:
   Remove the jumper cable for emergency-only (non-maintained) operation. Fixture will only illuminate during power loss.
4. Switchable CCT (Color Temperature):
   Factory default color temperature is 4000K. To change, adjust the jumper position.
5. Operating Temperature Range:
   The factory default ambient temperature range is -30°C to 50°C .
6. Battery Pack Assembly:
   Includes battery, heating pad, and thermal protection device. The battery heater is connected by default. Connect leads from battery to charger PCB and charge 24 hours before testing.



WALL MOUNT FOR CONDUIT WIRING

1. Remove the front cover from the back plate by inserting a flat-blade screwdriver into the two slots and gently prying open (see Fig. 1).
2. Remove the conduit knockout with pliers. Remove any burrs and ensure no debris or scraps remain inside the housing (see Fig. 2A/B).
3. Remove the top cable gland from the back plate (see Fig. 2C).
4. Remove the required screw hole covers on the back plate (see Fig. 3). Secure the back plate to the wall (see Fig. 4).
5. Feed the input wire through the conduit and secure the conduit to the back plate.
6. Connect fixture wires to power supply wires using wire nuts: White (Neutral), Black Line (Hot, 120–277V), Green (Ground).
7. Set the desired color temperature and operating mode. Apply silicone sealant to all exposed areas to ensure proper weatherproofing (see Fig. 5).
8. Reattach the front cover with the provided mounting screw, using a Phillips screwdriver. Insert the rubber cap over the screw.



MAINTENANCE

Units should be tested and maintained in accordance with local codes. Replace the batteries as needed if discharge time does not reach 90 minutes.

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 from the charger circuit board and insulated so that the battery will go into storage in a fully charged condition.

TROUBLESHOOTING

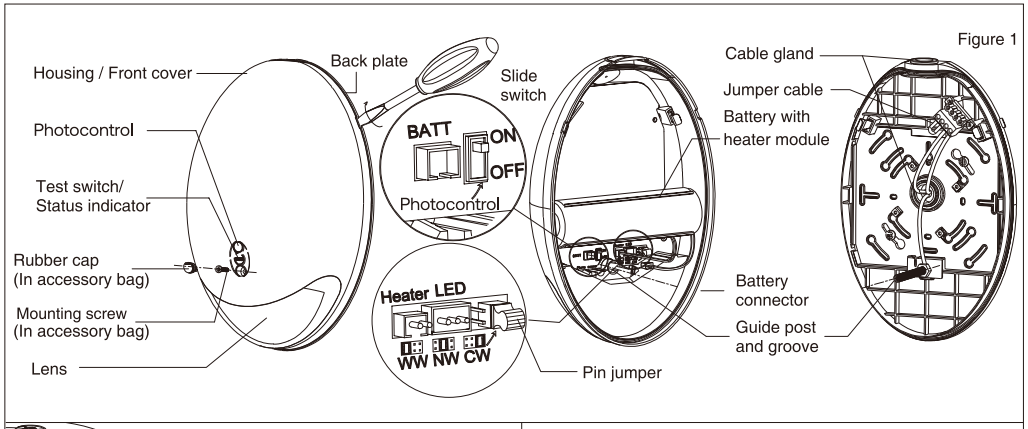
AC-On Light does not illuminate:

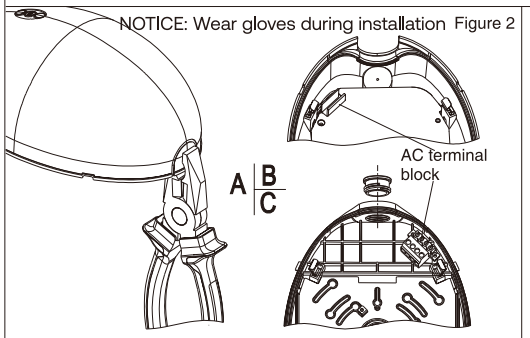
- Check AC wiring connections Emergency LEDs do not work
- Battery is shipped disconnected. Connect leads from battery to charger PCB and charge for 24 hours before testing.
- Check wiring connections

Notes

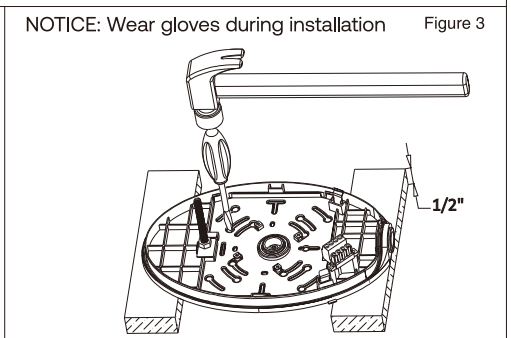
WALL MOUNT FOR BACK POWER FEED

1. Remove the front cover from the back plate by inserting a flat-blade screwdriver into the two slots and gently prying open (see Fig. 1).
2. Remove the appropriate knockout hole from the back plate (see Fig. 2).
3. Use a small Phillips screwdriver to remove the center cable gland on the back plate (see Fig. 6A).
4. Feed fixture wires through the center gland and connect wires using wire nuts: White (Neutral), Black Line (Hot, 120–277V), Green (Ground).
5. Secure the back plate to the junction box and apply silicone sealant to all exposed areas (see Fig. 7).
6. Set the desired color temperature and operating mode.
7. Reattach the front housing cover with the mounting screw (from the accessory bag) and a Phillips screwdriver, then insert the rubber cap to cover the screw.



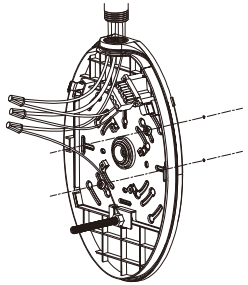


NOTICE:
Remove the conduit knockout with pliers and eliminate any burrs. Ensure no debris or metal scraps remain inside the fixture.



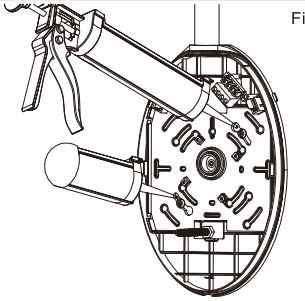
NOTICE:
Maintain at least 1/2" clearance between the back plate and any surface below during installation. Knock out or drill appropriate screw holes from the front side as needed.

Figure 4



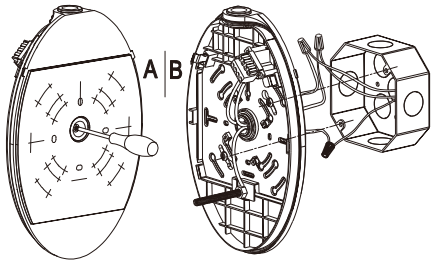
NOTICE:
Tighten screws securely, but do not overtighten, to avoid deforming the back plate and compromising the waterproof seal.

Figure 5



NOTICE:
Apply silicone sealant to all open areas after installation.

Figure 6



NOTICE:
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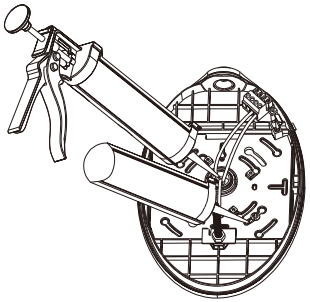
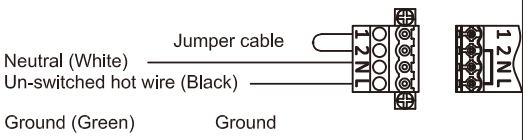
Figure 7



NOTICE:
Apply silicone sealant to all open areas after installation.

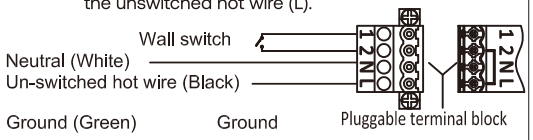
Wiring diagram for general light auto turn on/off by Photocontrol

Refer to the wiring diagram below. Leave the slide switch in its original (factory default) position to enable the Photocontrol.



Wiring diagram for general light with wall switch

Toggle the slide switch down to bypass the Photocontrol. Remove the jumper cable. Connect the wall switch to terminals 1 and 2. Terminal 1 is the switched hot wire, and terminal 2 is the unswitched hot wire (L).



SELF-DIAGNOSTICS/SELF-TESTING OPERATION

1. When AC power is supplied to fixture, the unit will automatically initiate a self-test and self-diagnostic test as follows:

a. Verifies battery disconnection, charger board failure at every 4 seconds.
b. One-minute self-testing every month.
c. 90 minutes self-testing on the 12th month of the year after Installation.

2. Dual color LED lamp indicator shows the following status:

a. Green color: ON/ Ready
Blinking: Testing
b. Red color (Service Alert)
c. Service Alert LED Code (Red color LED lamp indicator)

●	One blink ON/pause (4 seconds)	Battery is not connected
●●	Two blinks ON/pause (4 seconds)	Battery is shorted or battery voltage drops below acceptable level
●●●	Three blinks ON/pause (4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause (4 seconds)	Transfer function failure
●●●●●	Five blinks ON/pause (4 seconds)	Emergency lamp fault

CAUTION:

After solving the fault of emergency equipment, press test button for 2 seconds then release to reset. LED indicator will show green.

3. For manual test, press test button as follows:

Press test button once (within 2 seconds)	30 seconds discharge test
Press test button twice (within 2 seconds)	3 minutes discharge test
Press test button 3 times (within 2 seconds)	30 minutes discharge test
Press test button 4 times (within 2 seconds)	90 minutes discharge test