

WLZ-CP Series

Installation Instructions



IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

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Installation

Junction Box Installation

1. Open the fixture by removing the (2) mounting screws on the bottom of the fixture (Fig. 1) and removing the back enclosure (Fig. 2)
2. Remove the appropriate knockouts for mounting the back enclosure to the J-box by following the J-box mounting chart (Fig. 3 and Table 1)

TABLE 1 — J-BOX MOUNTING CHART

A-A	4" Square Box
B-B	4" Octagonal Box
C-C	3½" Square/Octagonal Box
D-D	Masonry Box
E-E	4" Round Box
F-F	2¾" Hold Pattern
G-G	Single Gang

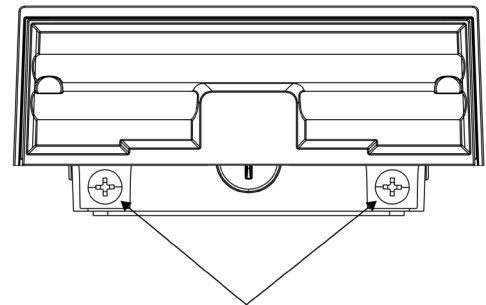
3. Check that the gasket is properly adhered to back of the fixture, then secure the back enclosure to the J-box. Ensure that the back enclosure is level with the ground using the built-in leveling bubble. (Fig. 4)

Note: Fixture is intended for downlight only.

4. Make electrical connections; see **Electrical Connections** section.
5. Align the front enclosure with the hinge located on the top of the back enclosure, then swing the front enclosure down to close the fixture.
6. Reinstall the (2) Philips head screws.

IMPORTANT: Weatherproof your outdoor installation. Be sure to seal all holes in the enclosure, such as the mounting, conduit, plugs, sensors, and photocontrols with silicone sealant. Apply sealant across top edge of the wall pack between the back enclosure and the mounting surface to prevent water from reaching the back of the enclosure.

Fig. 1



(2) Philips Head Screws

Fig. 2

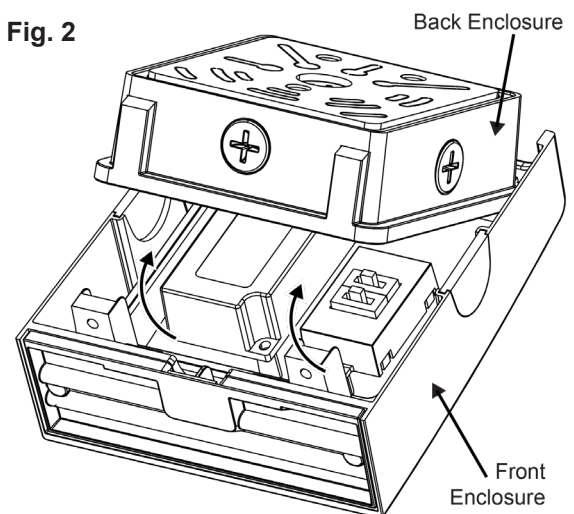
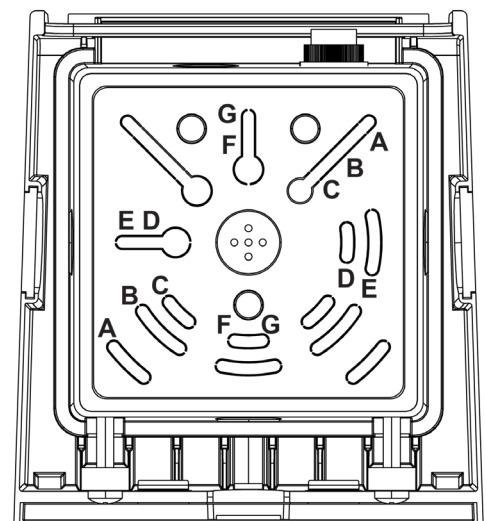


Fig. 3



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Installation, Continued

Conduit Installation

1. Open the fixture by removing the (2) mounting screws on the bottom of the fixture (Fig. 1) and remove back enclosure. (Fig. 2)
2. Remove the ½" plug and corresponding plug cover on the side of the fixture where you intend to feed the conduit. (Fig. 4)

3. Remove appropriate knockouts to secure it on the wall using proper screws. Ensure that the back enclosure is level with the ground using the built-in leveling bubble. (Fig. 4)

Note: Fixture is intended for downlight only.

4. Connect the building conduit to the plug removed in step 2.
5. Connect AC and dimming supply wires inside the fixture. See **Electrical Connections** section.

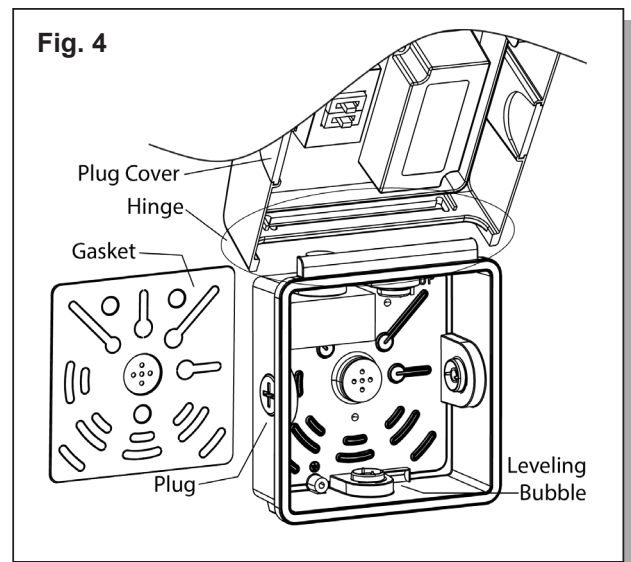
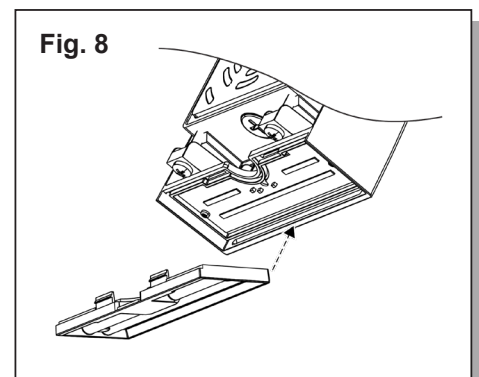
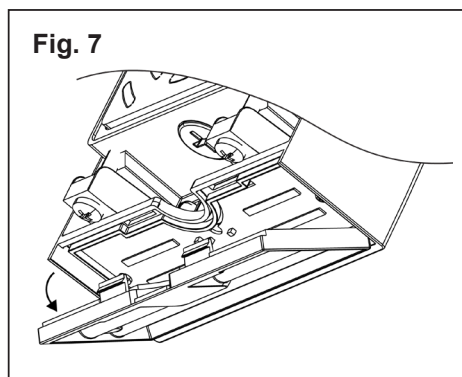
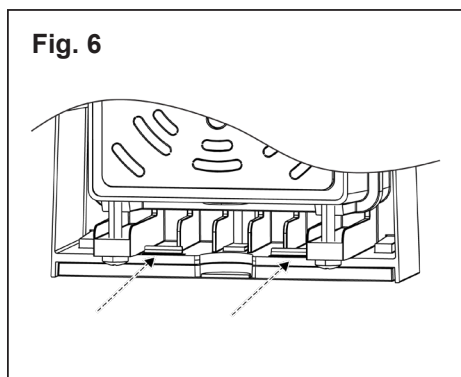
6. Align the front enclosure with the hinge located on the top of the back enclosure, then swing the front enclosure down to close the fixture.

6. Reinstall the (2) Philips head screws.

IMPORTANT: Weatherproof your outdoor installation. Be sure to seal all holes in the enclosure, such as the mounting, conduit, plugs, sensors, and photocontrols with silicone sealant. Apply sealant across top edge of the wall pack between the back enclosure and the mounting surface to prevent water from reaching the back of the enclosure.

Lens Replacement (Optional)

1. Locate correct lens by text on lens. (Fig. 5)
2. Compress plastic clips from back of enclosure. (Fig. 6)
3. Swing lens down to remove. (Fig. 7)
4. Align back of lens with groove in enclosure and insert clips to install lens (Fig. 8)

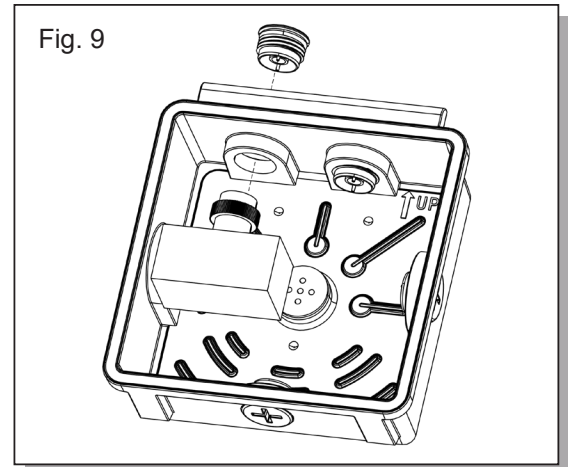


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Photocontrol Installation (Optional)

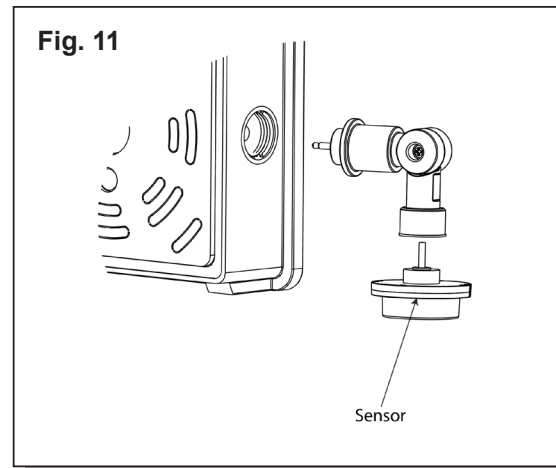
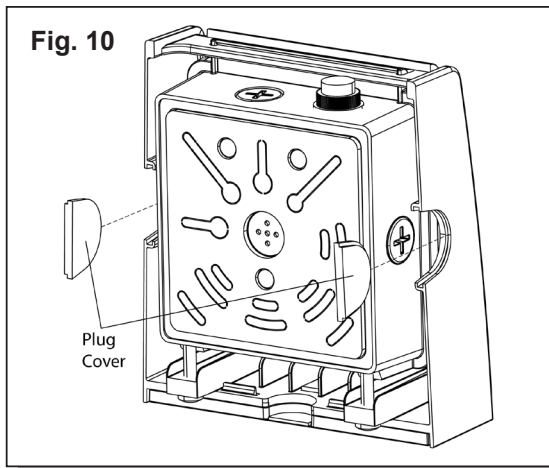
1. Remove the ½" plug on the top of the fixture and install photocell. (Fig. 9)
2. Make electrical connections; see **Electrical Connections** section.
3. Use photocell rated for your supply voltage.



Bluetooth Sensor Installation (Optional)

1. Remove the plastic plug cover from front enclosure to accommodate sensor (Fig. 10).
2. Screw sensor into adapter and adapter into fixture receptacle. (Fig. 11).

Note: When the emergency function and sensor are used at the same time, the sensor's stand-by time is less than 90 minutes. The sensor's stand-by time prevails. To prepare the emergency for 90 minutes, set the sensor's stand-by time to more than 90 minutes.



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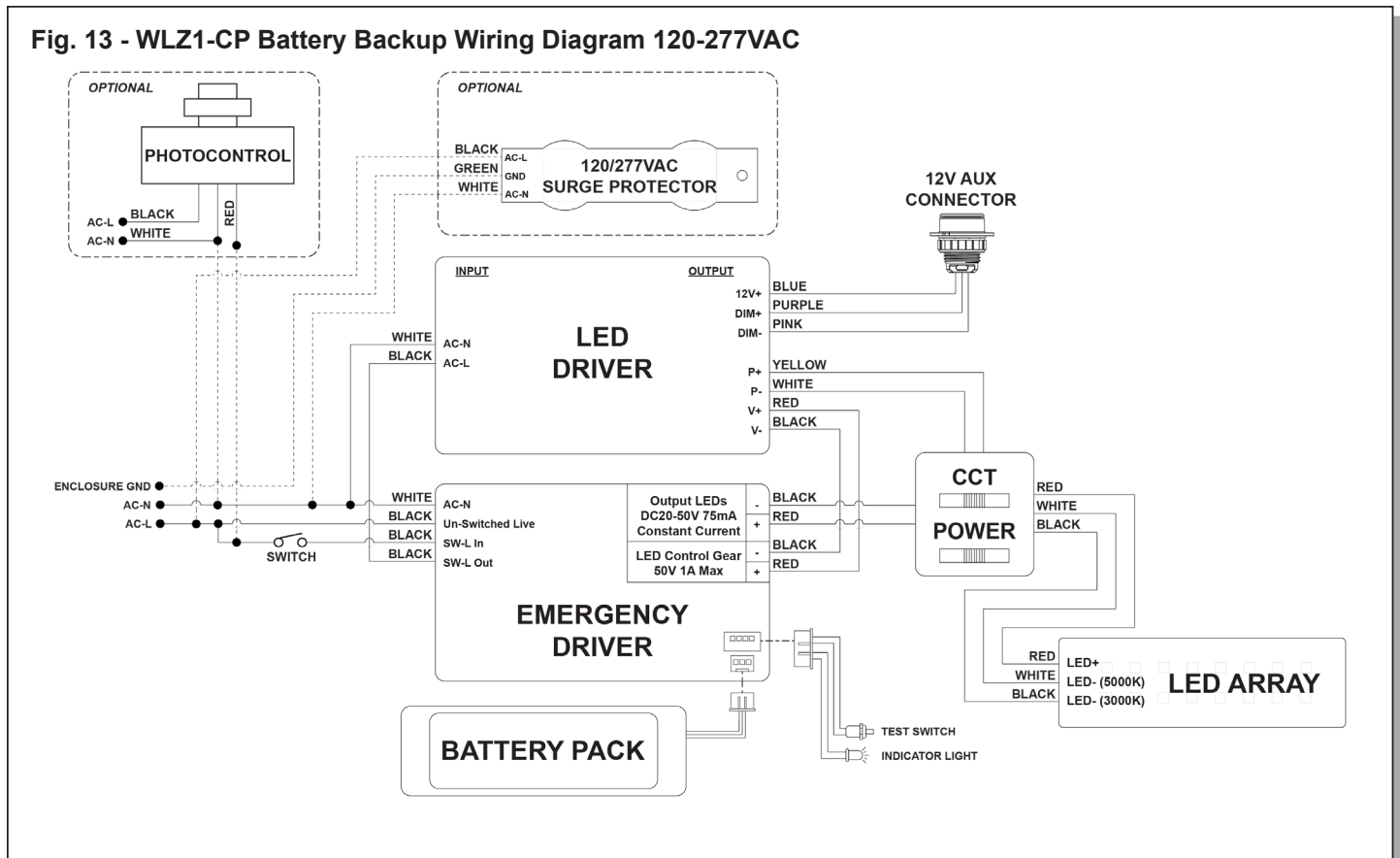
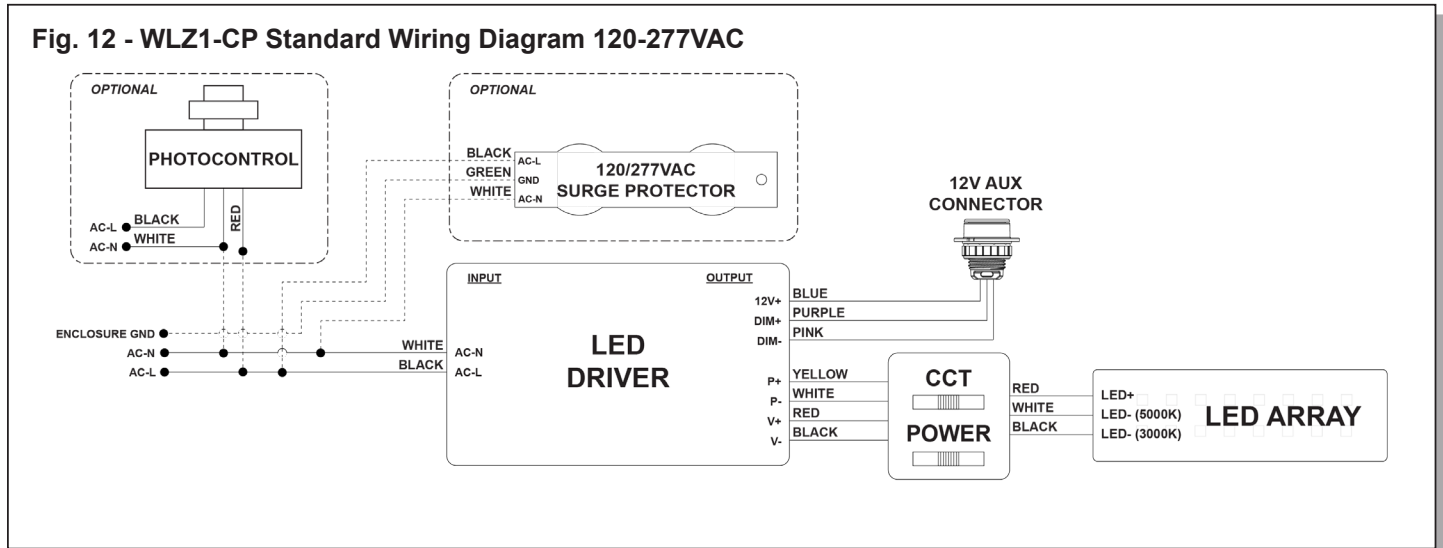
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Electrical Connections (Fig. 12-18)

All electrical connections should be made inside the junction box. Make electrical connection as follows:

Note: Cap unused leads to prevent shorting. This fixture auto adjusts for voltages between 120VAC-277VAC or 277VAC-480VAC.



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Fig. 14 - WLZ2-CP, WLZ3-CP, WLZ4-CP Standard Wiring Diagram 120-277VAC

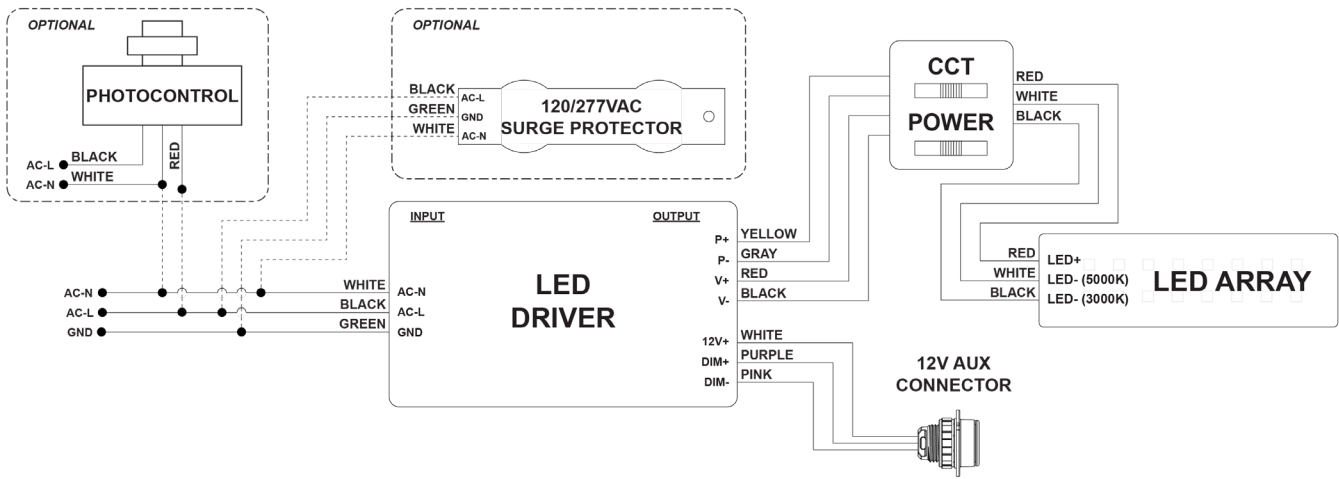
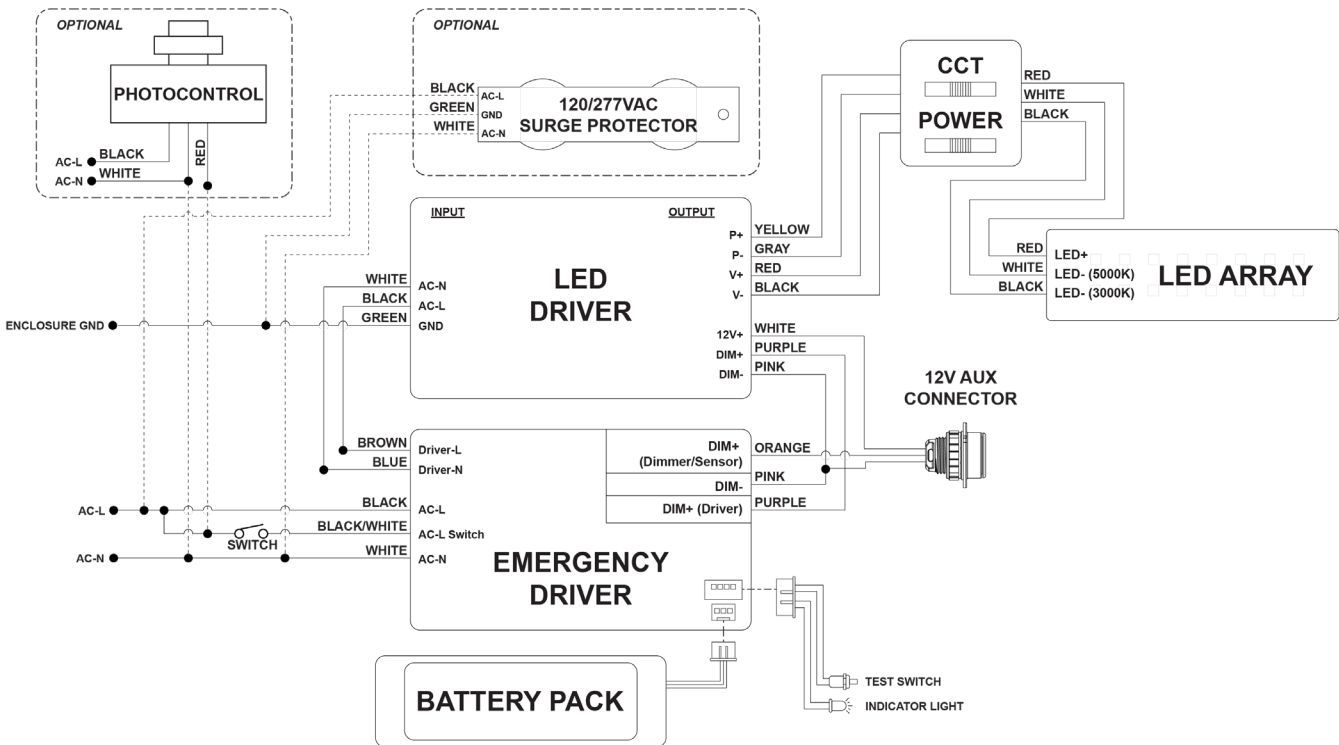


Fig. 15 - WLZ2-CP, WLZ3-CP, WLZ4-CP Battery Backup Wiring Diagram 120-277VAC



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Fig. 16 - WLZ2-CP, WLZ3-CP, WLZ4-CP HVS Wiring Diagram 277-480VAC

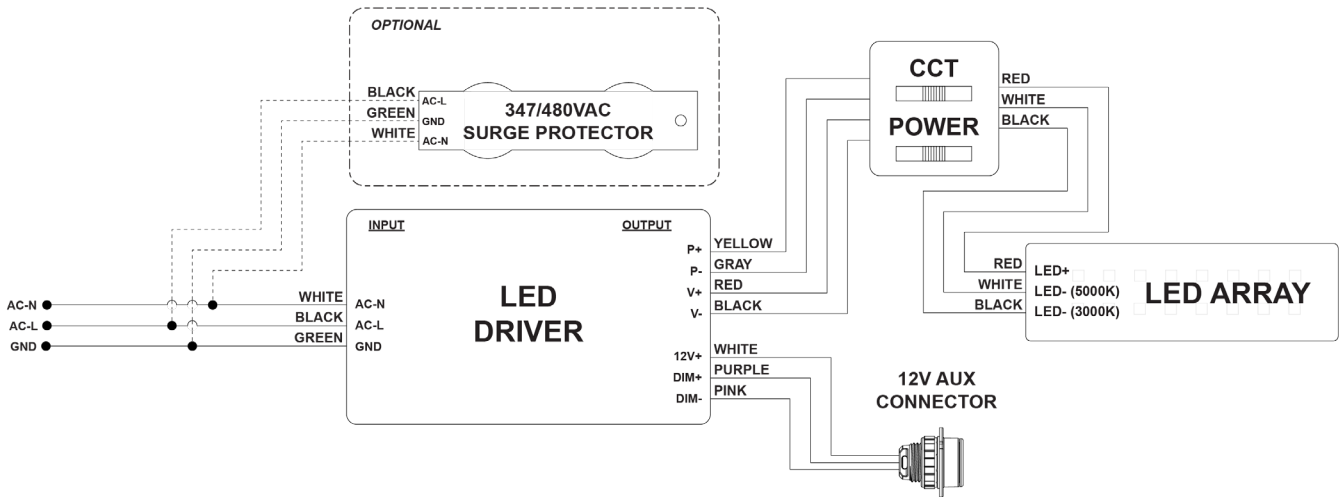


Fig. 17 - WLZ3-CP & WLZ4-CP Cold Location Battery Backup Wiring Diagram 120-277VAC

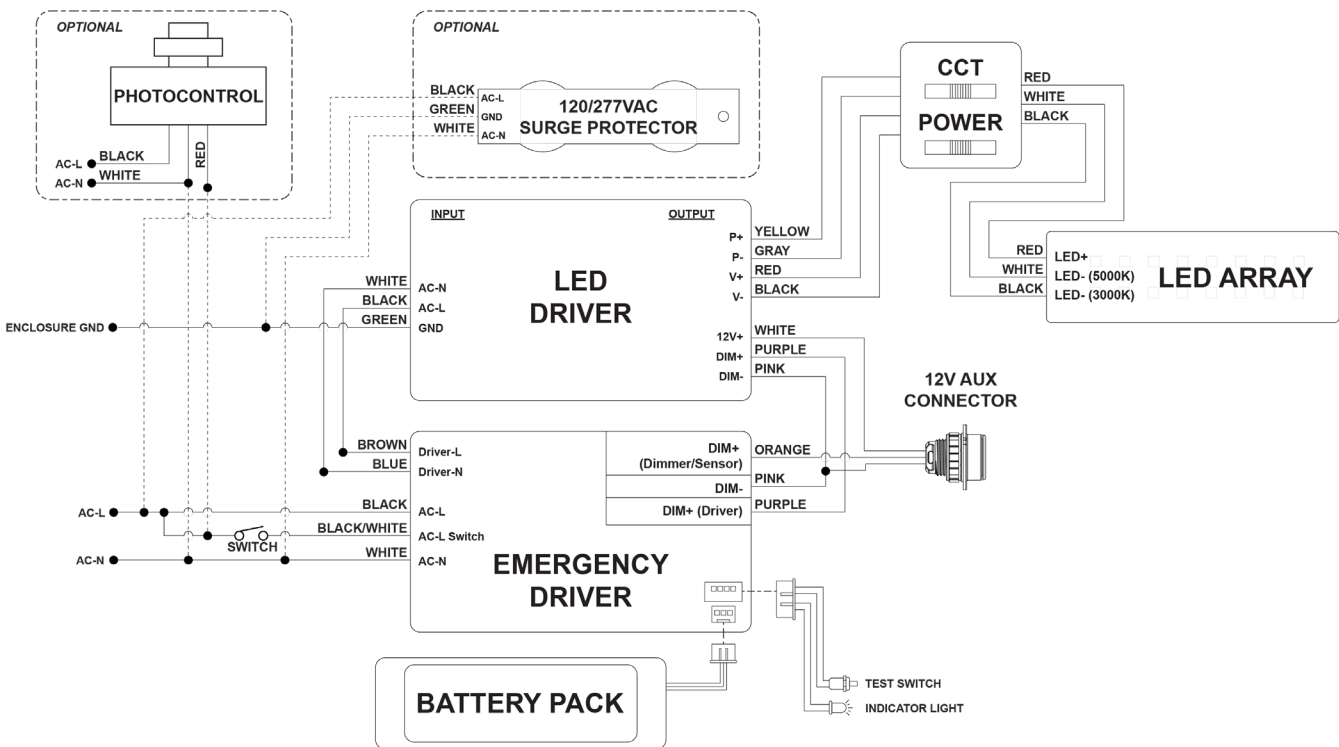
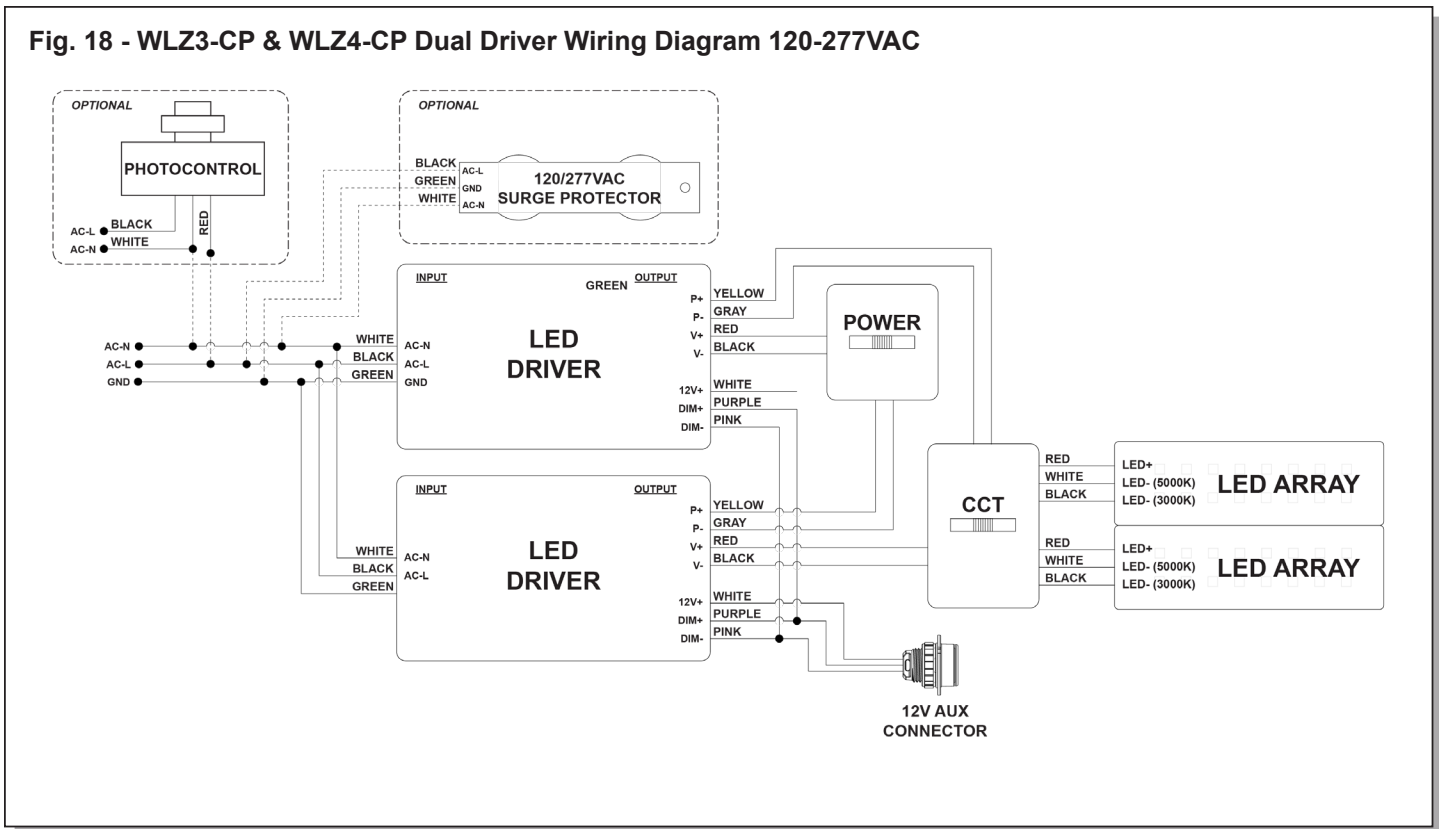


Fig. 18 - WLZ3-CP & WLZ4-CP Dual Driver Wiring Diagram 120-277VAC



Wattage and CCT Adjustment

1. Open the fixture by removing the (2) mounting screws on the bottom of the fixture in order to access.
2. Adjust the DIP switch to the corresponding color temperature and power required for the application. (Fig. 19)
3. Make sure that all wires are securely connected and that there are no exposed conductors. Replace the front housing of the housing (make sure wires do not get pinched) then tighten the screws.

CAUTION: All electrical work must conform to the National Electric Code (NEC) and all applicable local codes and ordinances.

Fig. 19

