



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

Installation

Recessed Grid Ceiling Installation

1. Place the LED panel on the T-bar of the ceiling suspension system in the desired location. (Fig. 1)
2. Locate both earthquake clips on the back of the LED panel. Twist each tab away from the panel and test them on the T-bar. For added stability, clips can be wired to the grid. (Fig. 2)
3. Open the fixture J-box by removing the access plate and make electrical connections. (Fig. 3 and **Electrical Connections** section). Make sure to firmly secure conduit to the access plate before replacing the access plate to the fixture J-box when complete.
4. Select the CCT and wattage you need by adjusting the switches on the side of the connection box. (Fig. 4)

Fig. 1

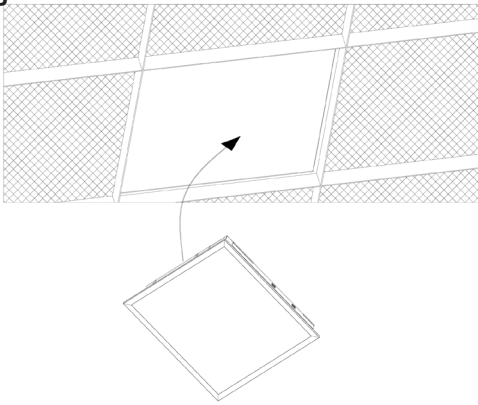


Fig. 2

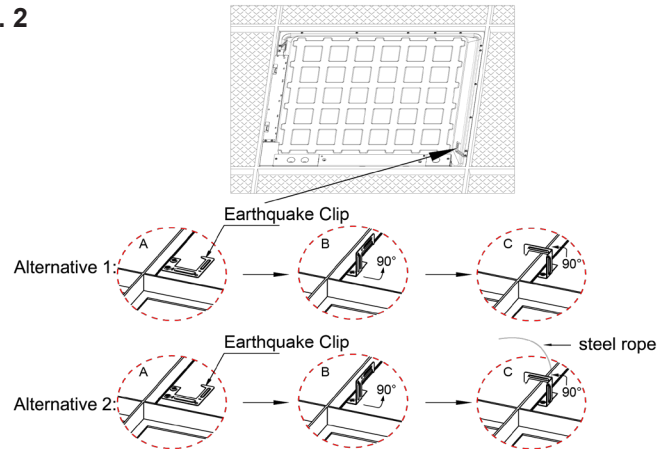


Fig. 3

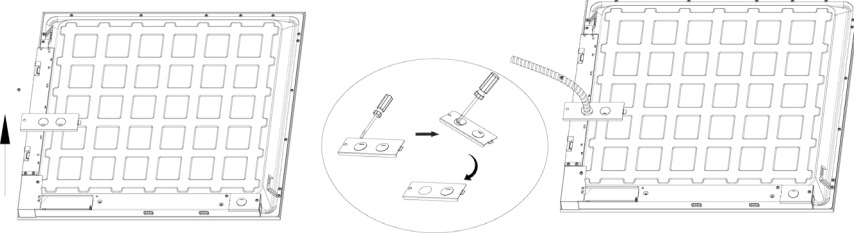
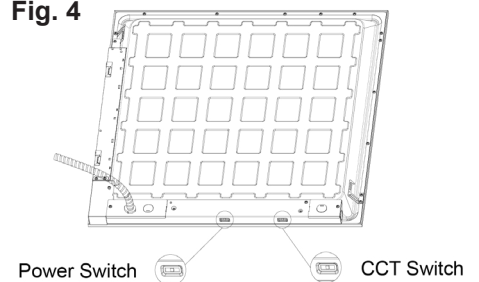


Fig. 4

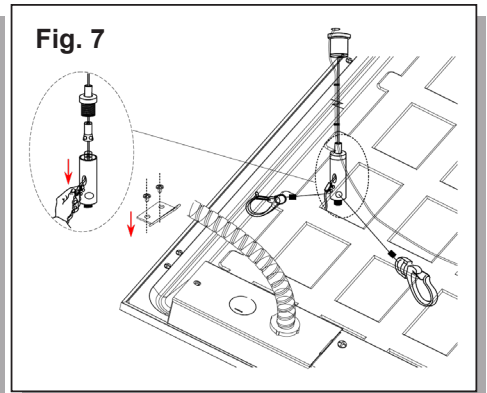
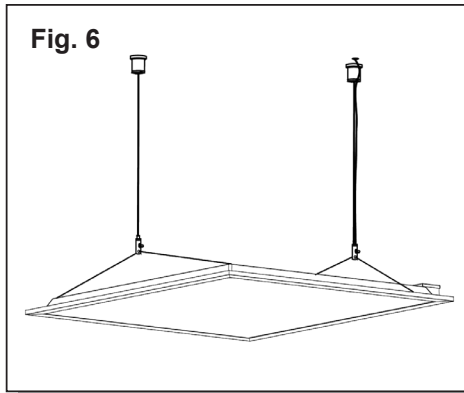
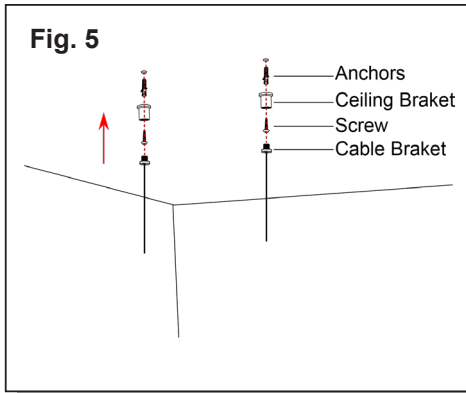


Cable Mount Installation (Optional)

1. Drill two holes. Use appropriate hardware for the application. A $\frac{7}{32}$ " hole is needed if anchors and screws included with the LPX-CMK kit are used. The spacing between each hole can be:
 $2 \times 2 = 23\frac{11}{16}"$
 $1 \times 4 = 43\frac{5}{16}"$
 $2 \times 4 = 43\frac{5}{16}"$
2. Insert anchors into drilled holes. Insert screws through the ceiling bracket into the anchors. Screw the threaded cable brackets on each cable into the ceiling brackets. (Fig. 5)
3. Attach clips to panel. (Fig. 6)
4. Adjust the height by pulling cable through the cable clamps. (Fig. 7)

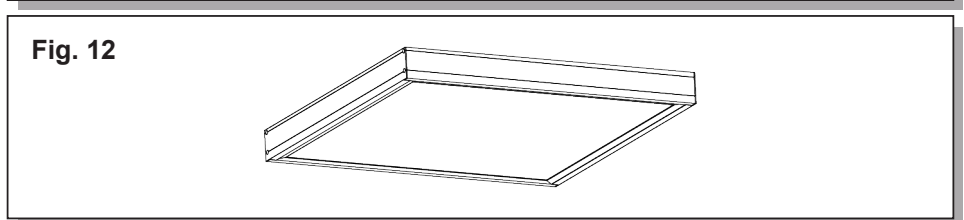
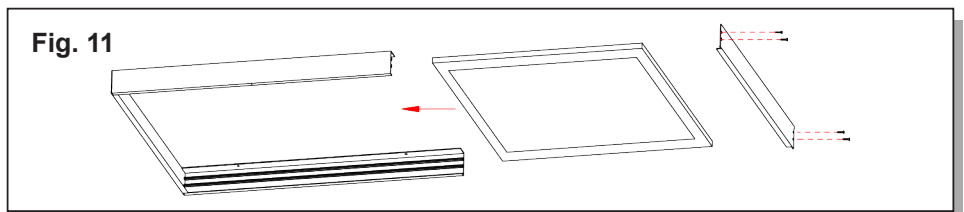
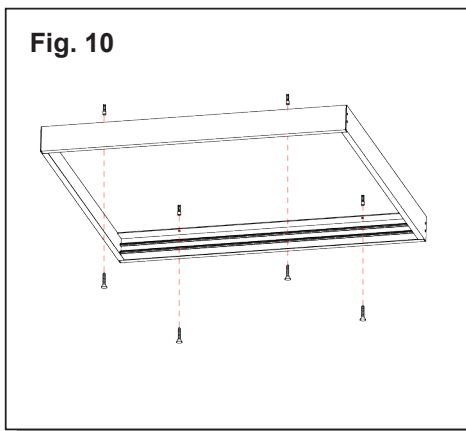
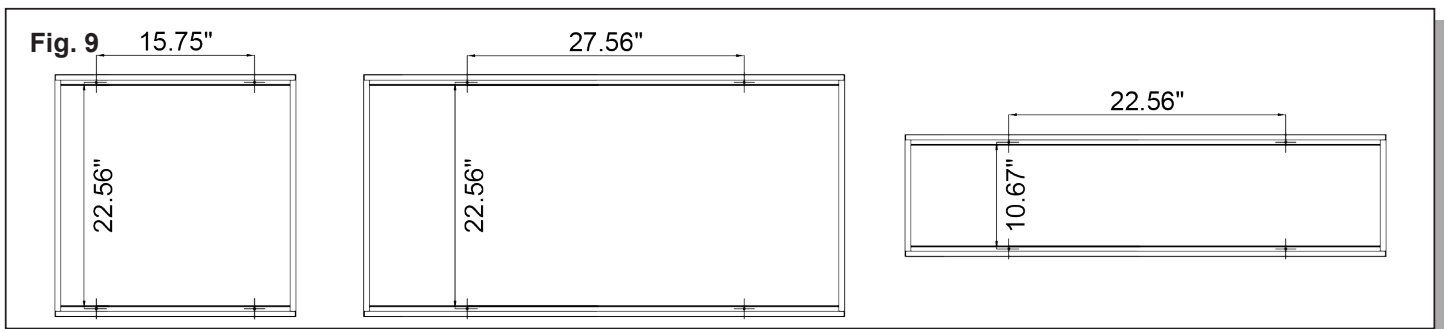
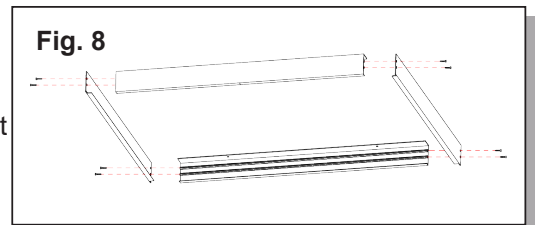
LPX-CP5 Series

Installation Instructions



Surface Mount Kit Installation (Optional)

1. Assemble (4) sides of LPX-SMK, using (8) self-tapping screws (included) to join sides. (Fig. 8)
2. Drill (4) holes in the ceiling, following spacing according to the diagram. $\frac{7}{32}$ " holes are needed if anchors and screws included with the LPX-SMK kit are used. (Fig. 9)
3. Attach the frame to the ceiling structure. (Fig. 10)
4. Remove one non-mounting frame side and slide in the LED panel. Make all electrical connections using the appropriate fittings. See **Electrical Connections** section. (Fig. 11)
5. Re-install frame side to complete. (Fig. 12)

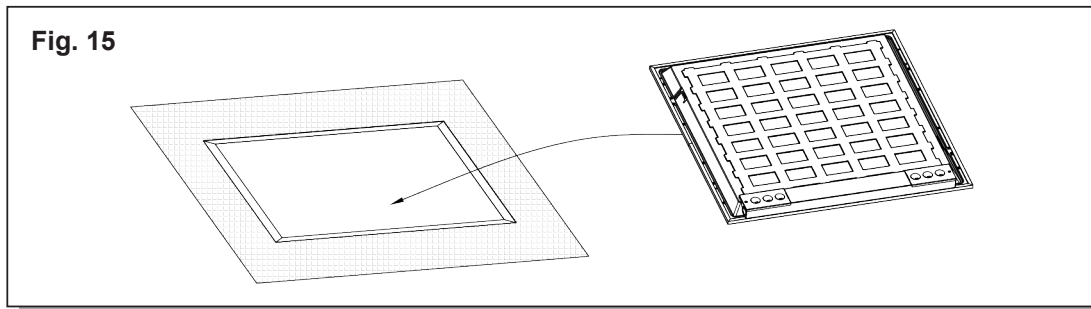
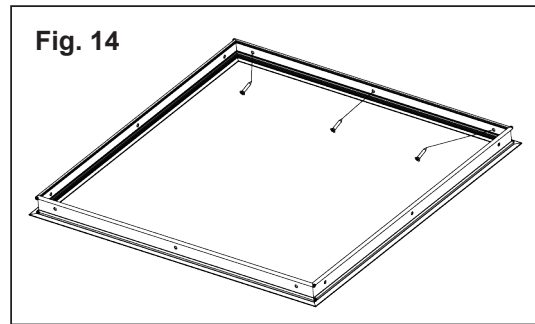
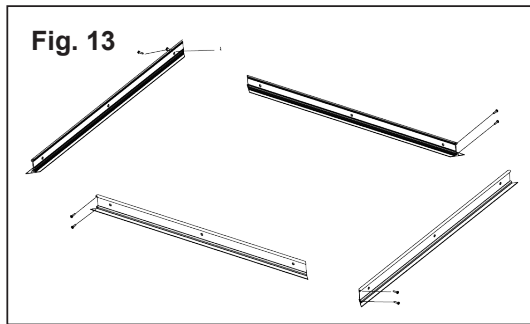


Installation Continued

Flange Mount Kit Installation (Optional)

1. Assemble (4) sides of LPX-FMK, insert (8) small screws into holes and tighten (Fig. 13).
2. Check squareness of Flange Mount and trial insert LED panel into assembled flange mount to check fit. Remove LED panel from Flange Mount after test fitting.
3. Locate the area where light fixture will be installed. Make sure there is adequate room to make the rough opening corresponding to the Flange Mount Kit (Table 1).
4. Cut rough opening if necessary.
5. Position Flange Mount in rough opening and secure with provided hardware. (Fig. 14)
6. Install LED panel in Flange Mount and make electrical connections. See **Electrical Connections** section. (Fig. 15)

Table 1 - Opening Size	
Configuration	Rough Opening Size
2' x 2'	24.61" x 24.61"
1' x 4'	48.66" x 12.75"
2' x 4'	48.66" x 24.41"



Emergency Power Installation (Optional)

1. Remove the access plates of the J-box. (Fig. 16)
2. Remove the two screws attaching the J-box to the fixture and disconnect the LED board by removing quick the connect from the driver. (Fig. 17)
3. Find the quick connect terminal wires included in battery backup kit. The male quick connect plugs into the driver, the female quick connect extends the LED board connection. (Fig. 18)

LPX-CP5 Series

Installation Instructions

Fig. 16

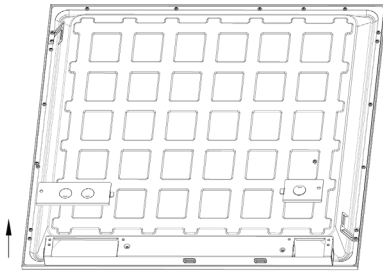


Fig. 17

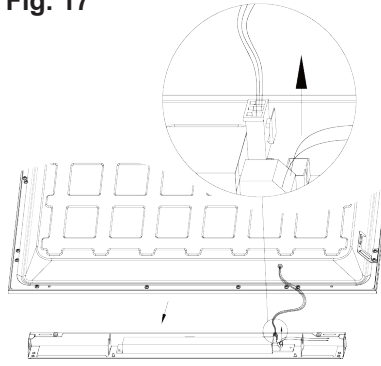
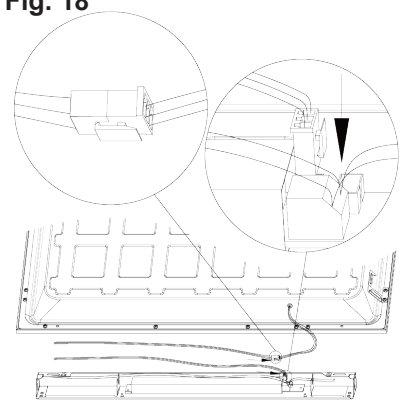


Fig. 18



4. Reinstall J-box and smaller access plate. (Fig. 19)

5. Remove the appropriate screw of the panel based on image below. Use position A for 1' x 4' and 2' x 4' configurations, and position B for 2' x 2' configurations. (Fig. 20)

Fig. 19

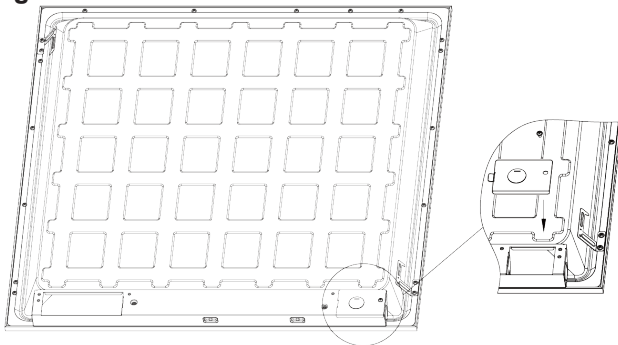
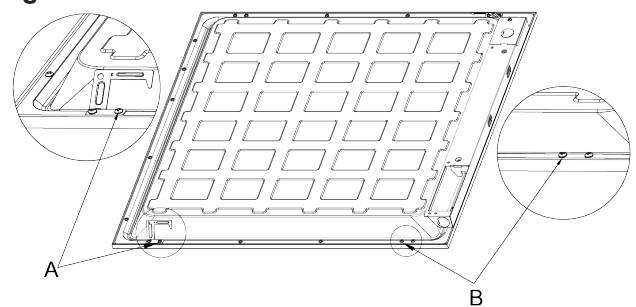


Fig. 20



6. Install the emergency driver using the position where the screw was removed in step 5. (Fig. 21)

7. Remove the knockout of the J-box, install the grommet, and run the emergency driver wires into the J-box. (Fig. 22)

Fig. 21

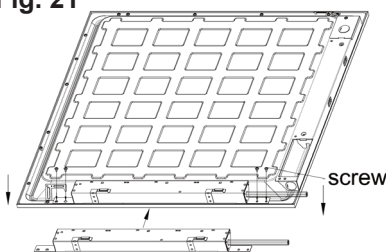
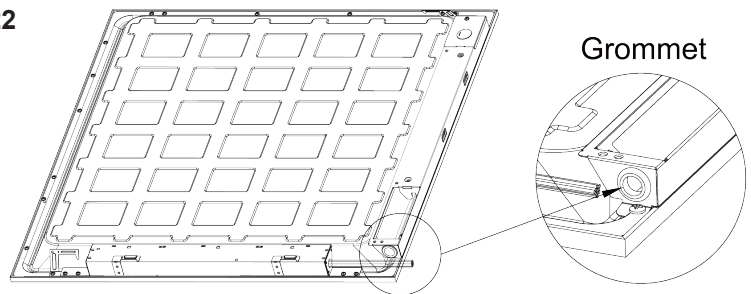


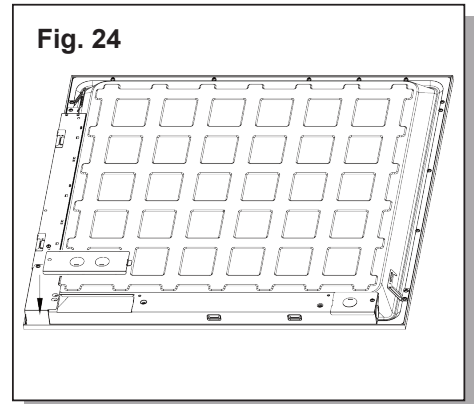
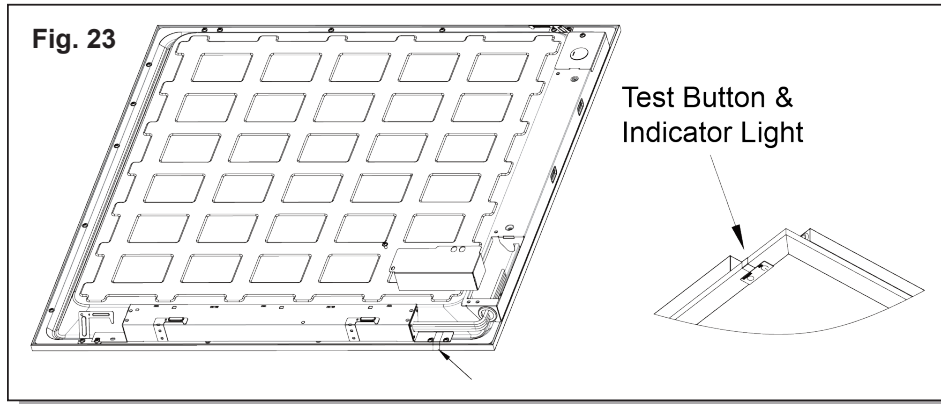
Fig. 22



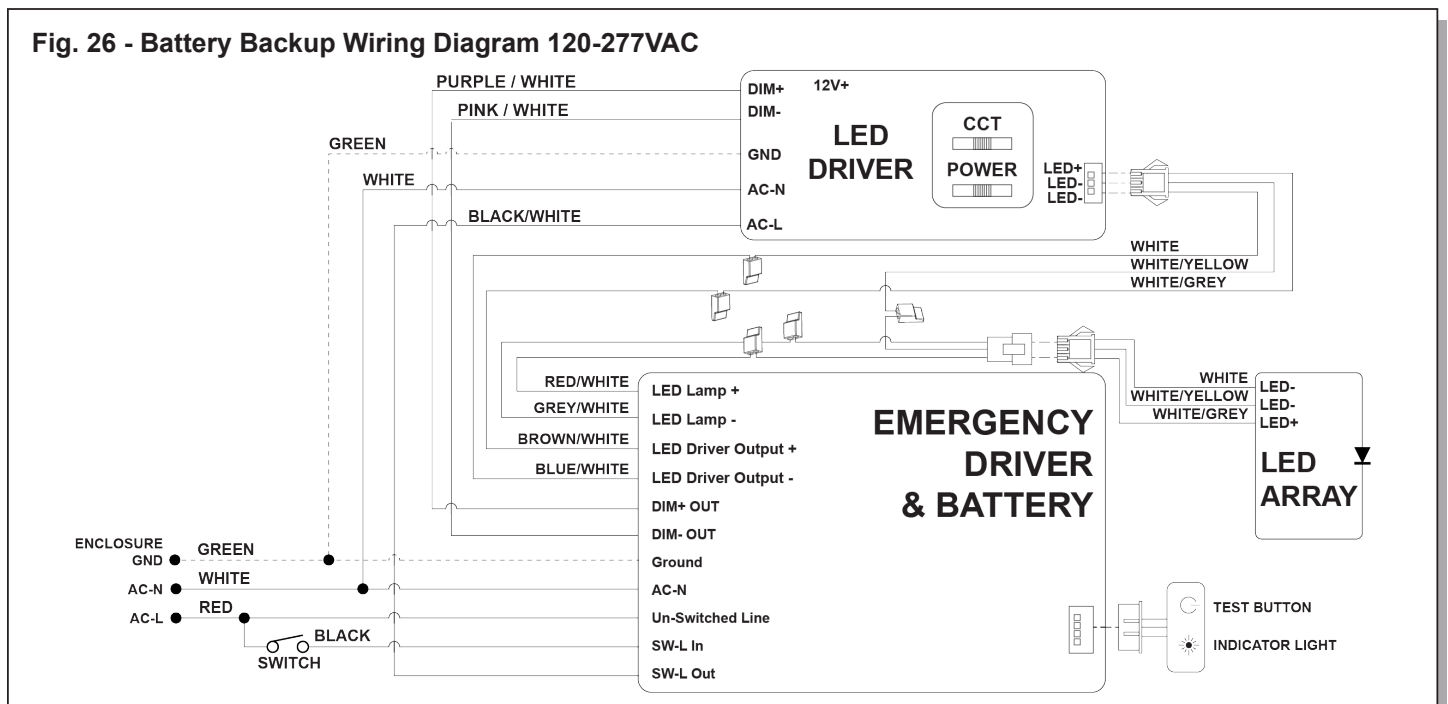
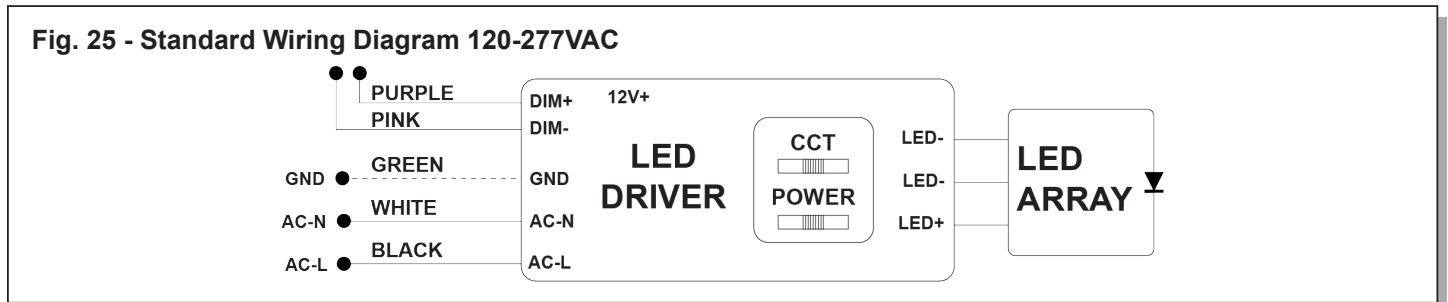
LPX-CP5 Series

Installation Instructions

8. Install the test button and indicator light, as well as the corner J-box extension bracket. (Fig. 23)
10. Complete electrical connections; see **Electrical Connections** section.
11. Reinstall the access plates of the J-box and fasten with screws. (Fig. 24)



Electrical Connections (Fig. 25-26)



Battery Backup Information and Operation

Note: The battery in this unit may not be fully charged. After electricity is connected to the unit for at least 1 hour, system can be tested. Please wait at least 24 hours, then normal operation of this unit should take effect.

Test Switch Indicator Status:

	Steady On (Red)	Battery Charging Mode
	Light Off	In Emergency Mode
	Flash (Red) (Red 2 times/2 Seconds)	Battery Failure
	Flash (Red) (Red 3 times/2 Seconds)	Battery Charging Error
	Flash (Red) (0.5s on /0.5s off)	LED Load Abnormality
	Flash (Red) (0.1s on /0.1s off)	Monthly Test in Progress
	Flash (Red) (0.1s on /0.1s off)	180 Day Test in Progress

Testing Instructions

1. EM Test:

- Press the test button while main power is on to enter EM mode (30 second test) with normal AC mode.
- Press and hold the test button for three seconds to disconnect the battery and turn off the light in emergency mode.

2. Manual Self-Diagnostics: (When battery is fully charged)

- Press and hold the test button for ten seconds to reset the Self-Diagnostic timer in normal AC mode.
- To quit the self-diagnostic cycle after cycle has started, press and hold the test button for two seconds.

3. Clear fault:

- In case of a fault, press the test button in EM mode to clear the fault.

Self-Testing Operation

This unit automatically performs a 30 second discharge test every month, and a full 90 minute discharge test every 180 days. During routine testing, the self-testing emergency driver simulates an AC power failure causing the unit to automatically switch to emergency mode. The unit will monitor the operation of the lighting fixture, internal battery voltage, and emergency duration. If the emergency system functions properly, then the unit will return to normal mode. Should the unit detect any problems, the indicator light will flash continually until the condition has been corrected and the unit passes the next test. Please refer to **Test Switch Indicator Status**.