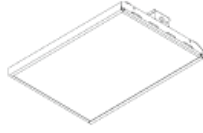
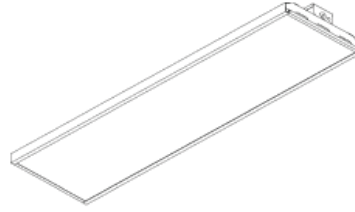




FLHB 2D 065/085/105/130/155



FLHB 2D 170/210



FLHB 4D 155/170/210/255/300



FLHB 4D 400

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

PacLights fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNINGS:

- Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.

CAUTION:

- For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. Apply weatherproof silicone sealant around the edge of the Back Box and/or Junction Box. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.

FLHB CHAIN & V-HOOK MOUNT KIT

- 1 Install the FLHB V-Hook to the Mounting Holes of the FLHB Fixture (Fig. 1). All fixtures have Mounting Holes (4) at the top (two on each side).

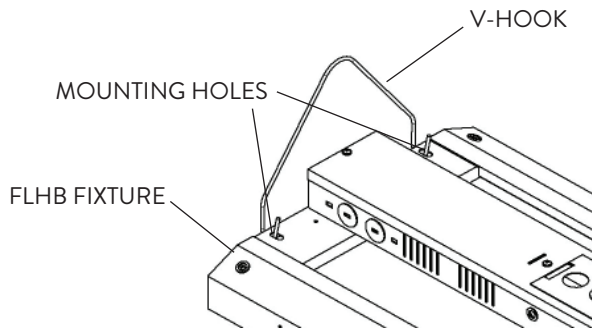
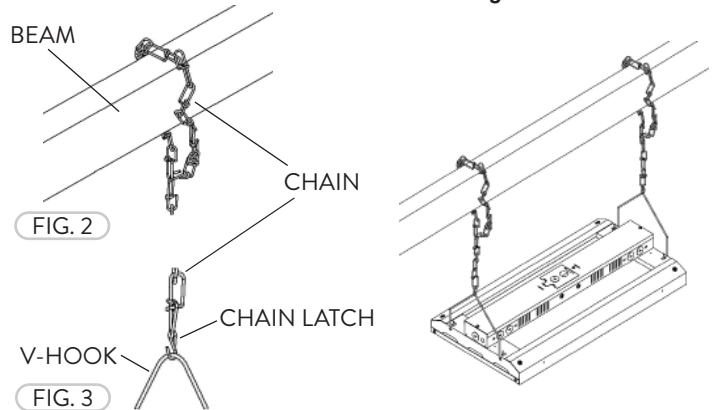


FIG. 1

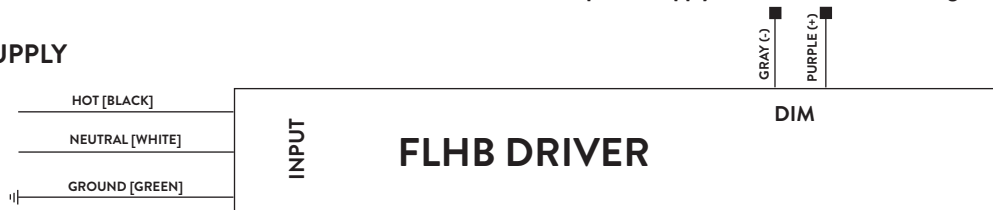
- 2 Wrap two pieces of 40 inch Chain around the Ceiling Beam and extend the Chain down to the required mounting height (Fig. 2). Attach Chain and Chain Latch to V-Hook (Fig. 3).



WIRING DIAGRAM

Connect the ACL and the ACN from the FLHB Fixture to the conduit with the AC power Supply Cable. Follow the Wiring Diagram provided.

AC POWER SUPPLY



OPTIONAL FLHB CABLE MOUNT KIT

- 1 The Cable Mount Kit includes 112 inch Aircraft Cable pair. Wrap the two pieces of cable around the Ceiling Beam and extend down to the required mounting height (Fig. 4).

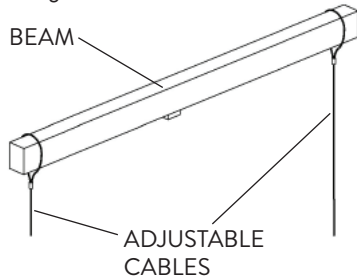


FIG. 4

- 2 Using the Aircraft Cable (with tabs on both ends), insert the tabs into the FLHB Fixture Slots on both sides (Fig. 5). Once the tabs have been inserted, the FLHB Fixture will be safely secured to place for mounting (Fig. 6).

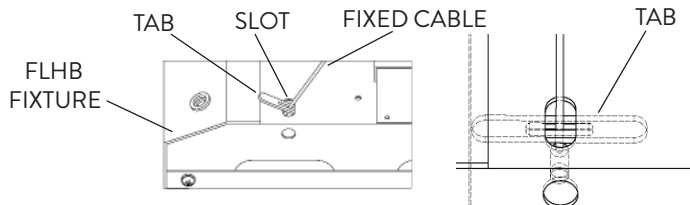


FIG. 5



FIG. 6

- 3 The mounting height of the FLHB Fixture is adjusted at the Cable Adjuster. This can be done by pushing in the Button on the Cable Adjuster to release the Adjustable Cable and then pulling the short end Cable from the side of the Cable Adjuster to set the length of the Adjustable Cable that is suspended from the ceiling. Remove the Set Screw on the Cable Adjuster using an allen wrench, insert the Fixed Cable inside the two slotted sides and fasten the Set Screw. This is to union the two Cables together (Fig. 7).

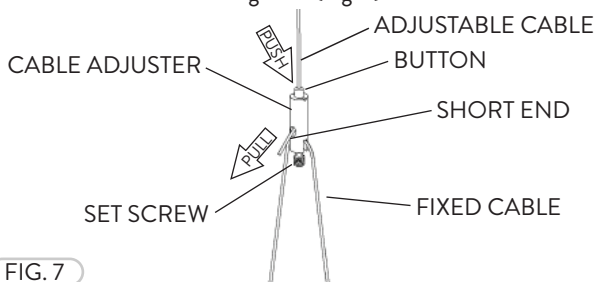
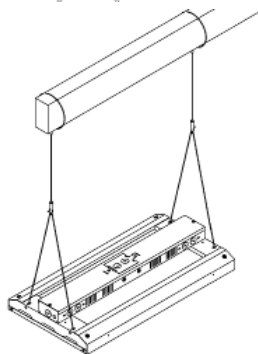


FIG. 7



OPTIONAL FLHB SURFACE MOUNT KIT

- 1 Place the Surface Mount to the Mounting Surface with the Mounting Screws (not included) (Fig. 8). The following figure is a detail of the Mounting Holes on the Surface Mount (Fig. 9).

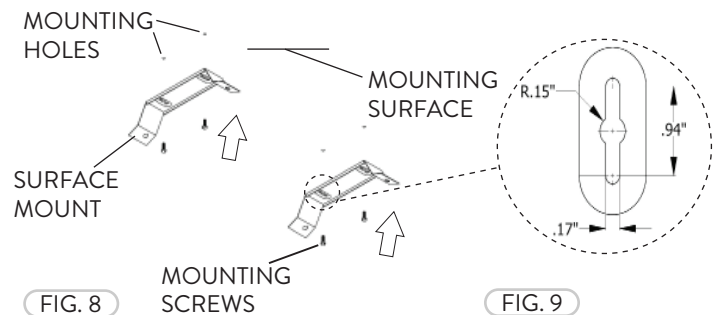


FIG. 8

FIG. 9

- 2 Once the Surface Mounting are installed onto the surface and properly secured, place fasteners through the two holes on the bottom slanted surface to the FLHB Fixture (Fig. 10). Fasten the Bolt, Lock-Washer and Washer to the FLHB Fixture (not provided).

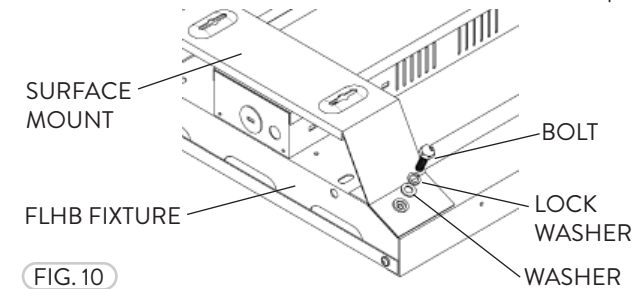


FIG. 10

- 3 After the FLHB Fixture is properly secured into place, refer to the Wiring Diagram to install the Fixture to an AC Power Supply. All connections must be made inside a J-Box (not included) (Fig. 11).

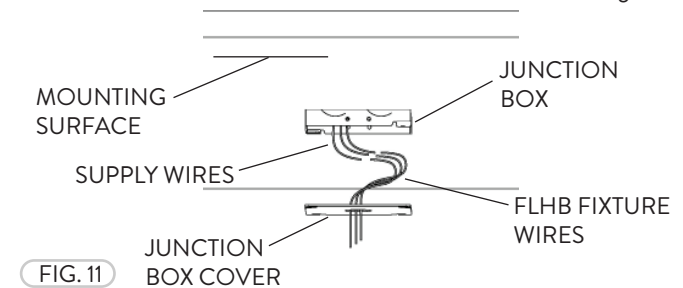


FIG. 11

- 4 This is how the properly surface mounted FLHB Fixture should look (Fig. 12).

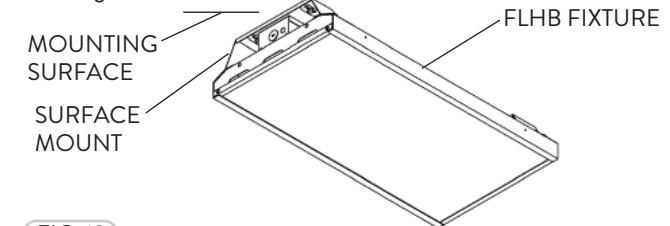


FIG. 12

OPTIONAL FLHB PENDANT HANGER KIT

- 1 Fasten the Pendant Bracket to the top-center of the FLHB Fixture using the Bolts, Washers, and Lock Washers to screw the Pendant Bracket into place (Fig. 13).

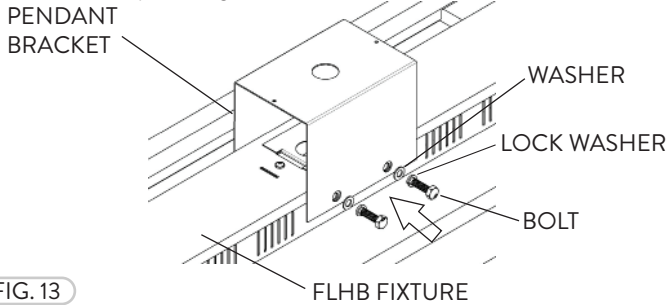


FIG. 13

- 2 Once the Pendant Bracket is installed onto the Fixture, fasten a 1/2" Conduit to the Bracket from the hole on the top side using a Lock Nut that matches the thread on the 1/2" Conduit. Run the AC Power Supply Cable down the Conduit and join the wires to the FLHB Driver (Fig. 14). The small FLHB Wire Panel can be removed by removing one screw if necessary (Fig. 15).

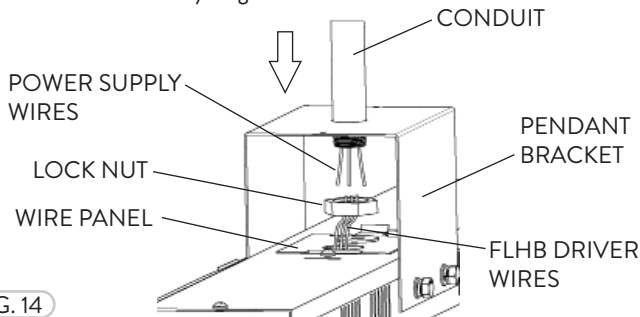


FIG. 14

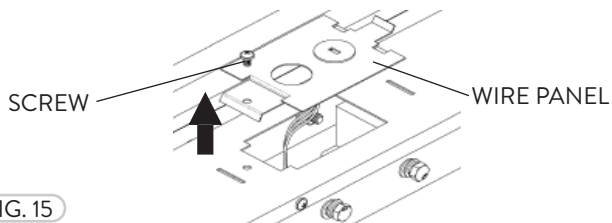


FIG. 15

- 3 Once all wiring is complete, use the two Cover Plates that are provided to cover the sides of the Pendant Bracket (Fig. 16). Use the (two) Screws to fasten the Cover Plates into place (Fig. 17).

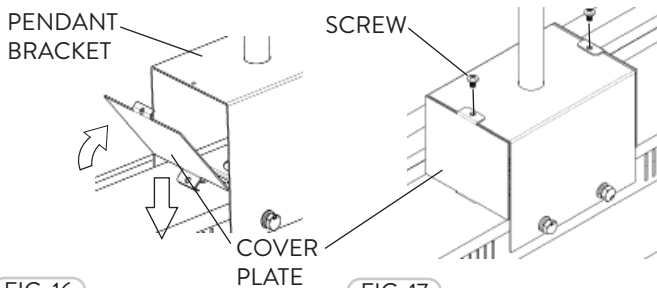


FIG. 16

FIG. 17

OPTIONAL FLHB WIRE GUARD KIT

- 1 The FLHB Fixtures are made in various sizes. It is important to make sure that the Wire Guard is the corresponding size based on the fixture chosen (Fig. 18).

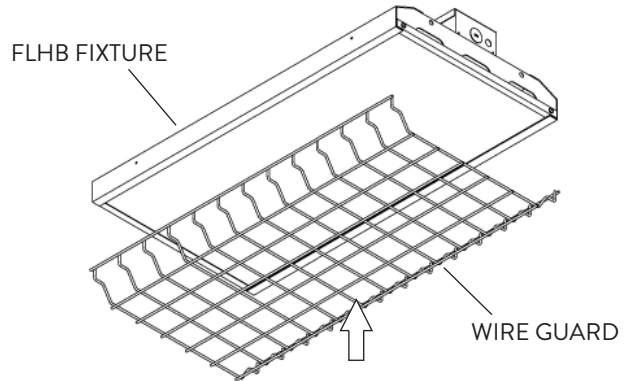


FIG. 18

- 2 Use the (four) formed Tabs to fasten the Wire Guard onto the FLHB Fixture. This is done by using the (four) holes located on the sides of the fixture (Fig. 19).

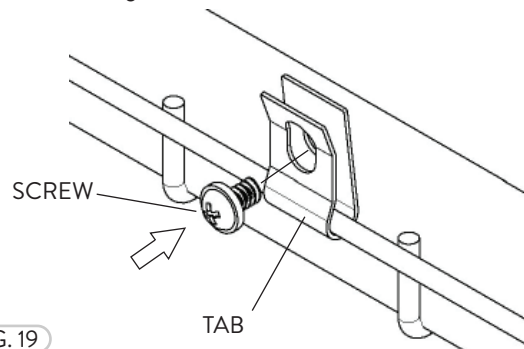


FIG. 19

- 3 The FLHB Fixture is now ready to be safely mounted onto various types of mounting methods and ready for wiring installation (Fig. 20).

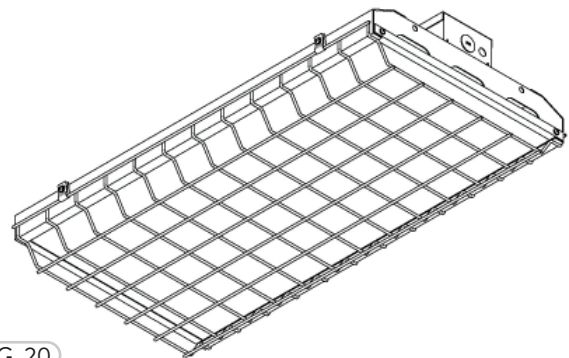


FIG. 20

MODELS WITH EMA-25 INSTALLED

BATTERY BACKUP MODELS

WIRING

CAUTION: FOR BATTERY BACKUP FIXTURE Voltage could be present in BATTERY. To prevent high voltage from being present on output leads, inverter connector must be open. Do not join BATTERY connector until installation is complete and AC power is supplied to the emergency driver (Fig. 8)

NOTE: Make sure that the necessary branch circuit wiring is available. An UNSWITCHED AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver.

CAUTION: Do not use any supply voltage other than 120-277V 50/60 HZ.

1. Connect UNSWITCHED HOT fixture lead to HOT AC supply line.
2. If using an UNSWITCHED circuit, connect UNSWITCHED and SWITCHED lines together.
3. If using a SWITCHED circuit, connect SWITCHED HOT AC fixture lead to the external SWITCHED.
4. Connect the NEUTRAL fixture lead to the NEUTRAL supply line.
5. For 0-10V Dimming, connect DIM (+) and DIM (-) to the supply DIM (+) and DIM (-).
6. Connect GROUND lead from the fixture to the supply ground. Do not connect GROUND to the output leads.
7. All unused lead must be capped and insulated.
8. After installation is complete, supply AC power to the fixture and connect the BATTERY.
9. When power is on, the fixture should be on and the Charging Indicator Light should illuminate to indicate the battery is charging.
10. Once the BATTERY has charged for at least one hour, a short duration test may be performed by pressing the test button.
11. After the battery has charged for 24 hours, a long duration test can be performed by shutting power to the fixture.

OPERATION

1. When AC power is applied, the charging indicator light is illuminated, indicating that the BATTERY is being charged.
2. When power fails, the standby power automatically switches to emergency power (internal battery), operating at reduced illumination. Not all LED boards will illuminate with standby power. The emergency driver supplies 25W of power in standby power for a minimum of 90 minutes.
3. When AC power is restored, the emergency driver automatically returns to charging mode.

MAINTENANCE

Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds.
3. Conduct a 90-minute discharge test once a year. Fixture would operate at reduced illumination for a minimum of 90 minutes.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the test button, check if battery is connected properly.

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

FIG. 8

