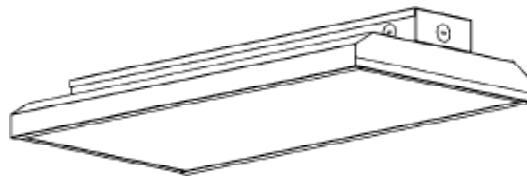


AEROBAY™ INSTALLATION INSTRUCTIONS



Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: marketing@rabweb.com



AEROBAY

IMPORTANT

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

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.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

MOUNTING FIXTURE TO CEILING

Mount **Housing** to sturdy ceiling structure as follows:

FOR VHOOK MOUNTING

1. **V Hooks (2)** and **Chain** are provided for mounting. Secure **V Hooks** through **Bracket Hole** at back of **Housing** as shown (Fig. 1).
2. Fixture mounting height and spacing should be determined by application requirements.
3. Remove **Access Plate** and feed supply wire with strain relief conduit connector through **Access Plate** and make electrical connections as shown in wiring diagram. Use approved wiring connectors and wire to local NEC codes. Push all wires back into **Housing**. Be careful not to pinch wires.
4. Reinstall **Access Plate** and secure with supplied **Screw (1)**.
5. If ordered with **LOS BAY 800** sensor (suffix /LOS) or similar sensor or **LightCloud™** controller, see sensor instructions enclosed.

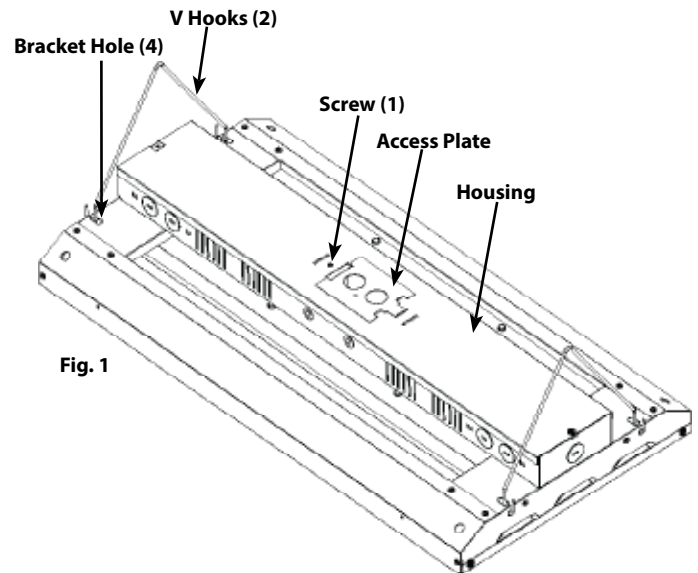


Fig. 1

FOR PENDANT MOUNTING

(Accessory ordered separately - CAT# JBARBAY)

1. Choose length of 1/2" NPS **Pendant Stem (supplied by others)**.
2. Install **Pendant Junction Box (ordered separately)** to fixture by mounting **Pendant Junction Box** on fixture and securing with supplied **Screws (4)** and **Washers (4)** as shown (Fig. 2).
3. Feed wires through **Pendant Stem** and into **Pendant Junction Box**. Wire the housing leads to supply wires using UL listed wire connectors according to NEC and local codes in the **Pendant Junction Box**. Push all wires back into **Pendant Junction Box**, install **Side Panels (2)** with supplied **Screws (2)**. Be careful not to pinch wires.
4. If ordered with **LOS BAY 800** sensor (suffix /LOS) or similar sensor or **LightCloud™** controller see sensor instructions enclosed.

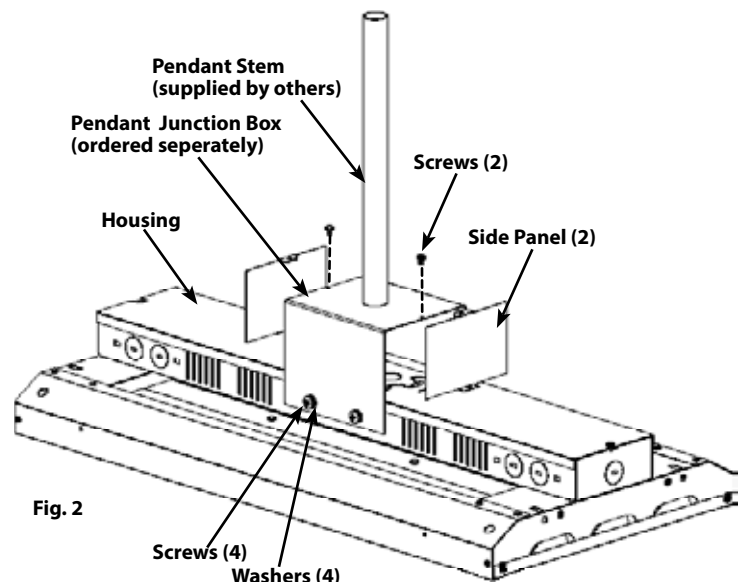


Fig. 2

AEROBAY™ INSTALLATION INSTRUCTIONS



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0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. Sensor (ordered separately) can be disconnected with supplied quick disconnect connector. Units ordered with (/480) suffix are 480V, 50Hz or 60Hz. For 0-10V Dimming, follow the wiring directions as shown (Fig. 3). Units ordered with (/8C) are 120-277V cord, (/8CP) suffix are 120V

1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON supply lead.
3. Connect the GROUND wire from fixture to supply ground.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the gray fixture lead to the (V-) DIM lead.

NOTE: Do not connect DIM V+ (purple)/ DIM V- (gray) to line voltage or supply ground.

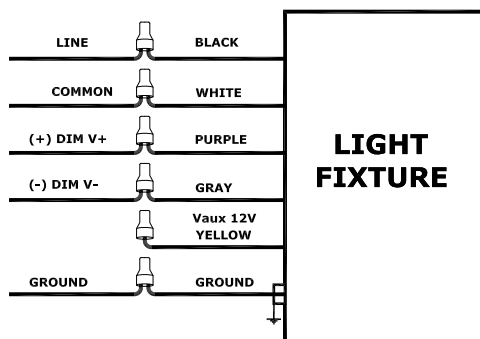


Fig. 3

CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Lens can be washed only after removing from fixture and only in a solution of warm water and any mild, non abrasive household detergent, rinsed with clean water and wiped dry. Do not use chemicals to clean Lens or fixture.
2. Do not open fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Check that the line voltage at fixture is correct. Refer to wiring directions.
2. Be sure the fixture is grounded properly.

CORD AND PLUG OPTIONS

For units ordered with the following suffixes see voltage information below.

- (/8C) 8ft Cord (only), 120-277V, 480V
- (/ 8CP) 8ft Cord & Straight Plug, 120V (only), NEMA 5-15P
- (/8CP2) 8ft Cord & Straight Plug, 277V (only), NEMA 7-15P
- (/8CPT2) 8ft Cord & Twist Lock Plug, 277V (only) NEMA L7-15P
- (/8CPT4) 8 ft Cord & Twist Lock Plug, 480V (only) NEMA L8-20P

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.



Easy Answers

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Visit our website for product info

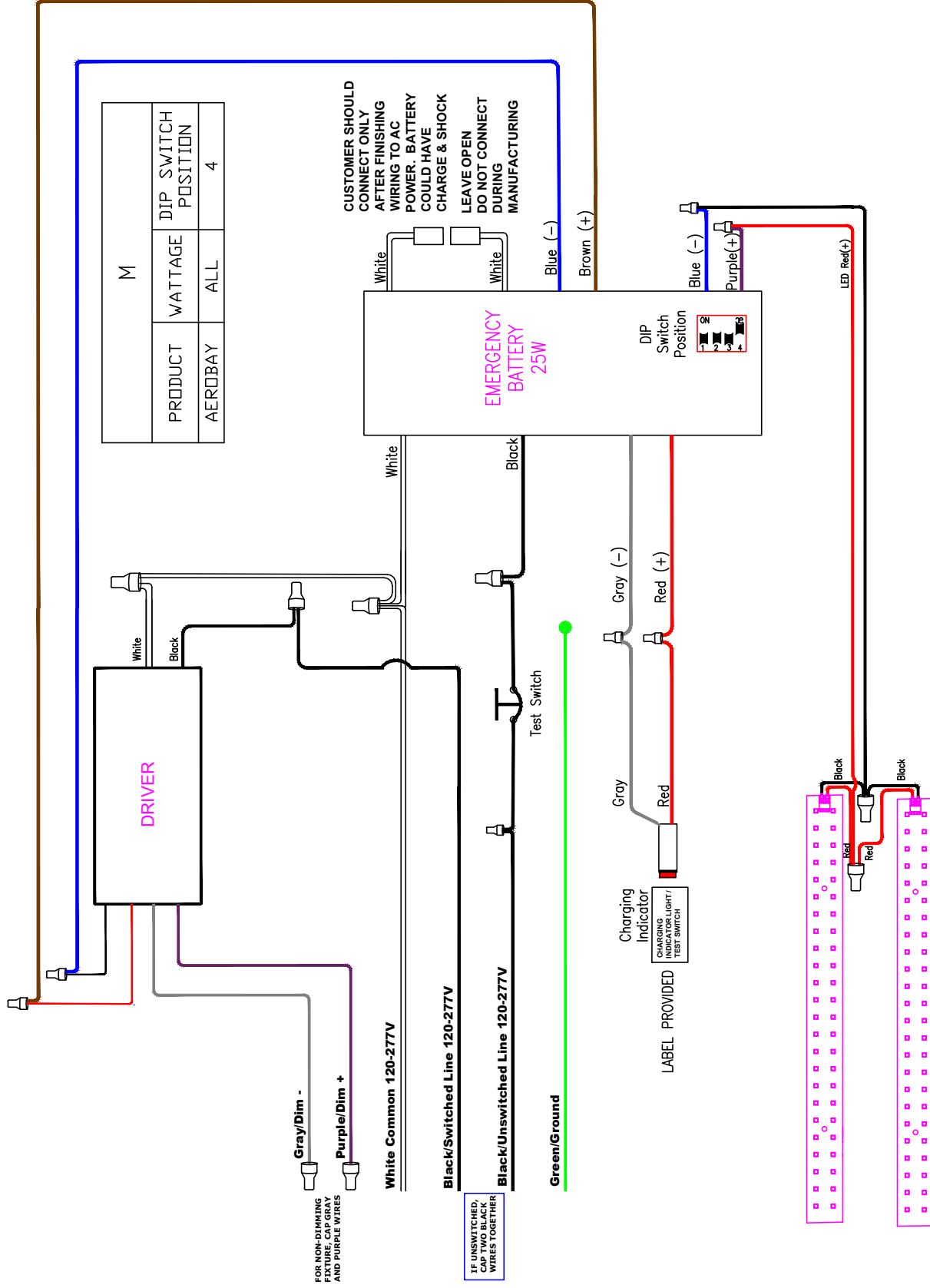
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WIRING DIAGRAM for EMERGENCY OPERATION at 120V-277V with 0-10V DIMMING

Emergency Ballast and AC Ballast must be fed from the same circuit



AEROBAY™ EMERGENCY BATTERY BACKUP 90W, 125W, 175W, 260W INSTALLATION INSTRUCTIONS



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IMPORTANT

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RAB 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.

Make certain power is OFF before installing or maintaining fixture.

MOUNTING FIXTURE TO CEILING

Mount **Housing** to sturdy ceiling structure as follows:

FOR VHOOK MOUNTING

1. **V Hooks (2)** and **Chain** are provided for mounting. Secure **V Hooks** through **Bracket Hole** at back of **Housing** as shown (Fig. 1).
2. Fixture mounting height and spacing should be determined by application requirements.
3. Remove **Access Plate** and feed supply wire with strain relief conduit connector through **Access Plate** and make electrical connections as shown in wiring diagram. Use approved wiring connectors and wire to local NEC codes. Push all wires back into **Housing**. Be careful not to pinch wires.
4. Reinstall **Access Plate** and secure with supplied **Screws (2)**.
5. If ordered with **LOS BAY800™** sensor (suffix /LOS) or similar sensor/controller, see sensor instructions enclosed.

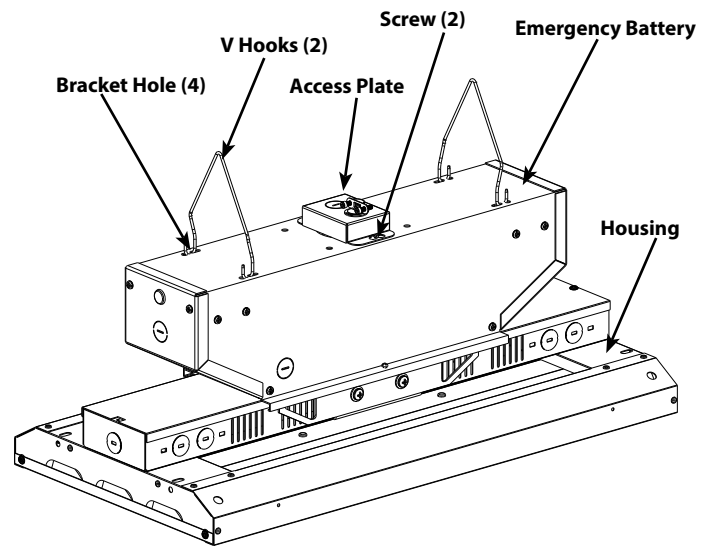


Fig. 1

FOR PENDANT MOUNTING

1. Install **Pendant Junction Box** (Model# JBRAILP) to 3/4" **Pendant Stem** (supplied by others).
2. Feed wires through **Pendant Stem** and into **Pendant Junction Box**.
3. Install fixture to **Pendant Junction Box**.
4. Wire the housing leads to supply wires using UL listed wire connectors according to NEC and local codes in the **Pendant Junction Box** per instructions in wiring section. Push all wires back into **Pendant Junction Box**, install **Side Panels (1)** with supplied **Screws (2)**. Be careful not to pinch wires.
5. If ordered with **LOS BAY800™** sensor (suffix /LOS) or similar sensor/controller see sensor instructions enclosed.

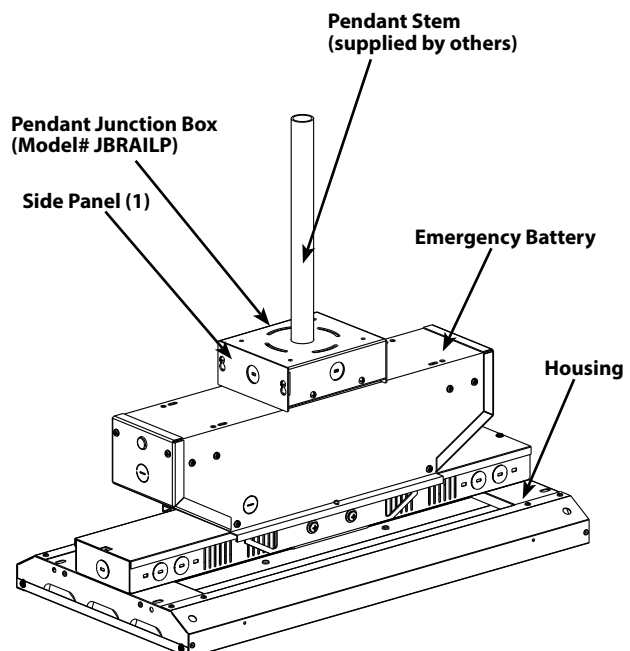


Fig. 2

AEROBAY™ EMERGENCY BATTERY BACKUP 90W, 125W, 175W, 260W INSTALLATION INSTRUCTIONS



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WIRING

CAUTION: THIS IS AN EMERGENCY 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 inverter connector until installation is complete and AC power is supplied to the emergency ballast.

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

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

1. Connect the UNSWITCHED black fixture lead to the HOT supply lead.
2. Connect the two black lead together, if not using a switching method.
3. If switching, connect SWITCHED black lead to a switch.
4. Connect the COMMON fixture lead to the COMMON supply lead.
5. For 0-10V Dimming, connect DIM (+) purple lead and DIM (-) gray lead to 0-10V dimmer connections on the driver.
5. Connect the GROUND wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
6. All unused leads must be capped and insulated.
7. After installation is complete, supply AC power to the emergency ballast and join the inverter connector.
9. At this point, power should be connected to both the AC ballast and the emergency ballast, and the Charging Indicator Light should illuminate indicating the battery is charging.
10. A short-term discharge test may be conducted after the emergency ballast has been charging for one hour. Charge for 24 hours before conducting a long-term discharge test. Refer to OPERATION.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If discharge test shows less than 90-minutes check Dip Switch on battery setting against wiring diagram.

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 emergency ballast automatically switches to emergency power (internal battery), operating at reduced illumination. Not all LED boards will illuminate with emergency power. The emergency ballast supplies 25W of power in emergency mode for a minimum of 90 minutes. (Number of LED boards powered by Emergency Battery; 90W 4 LED boards, 125W 3 LED boards, 175W 2 LED boards, 260W 2 LED boards)
3. When AC power is restored, the emergency ballast automatically returns to charging mode.

CLEANING

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean acrylic lens & fixture with non-abrasive cleaning solution.
2. Do not open fixture to clean the LEDs. Do not touch the LEDs.

MAINTENANCE

Although no routine maintenance is required to keep the emergency ballast 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.

To reduce the risk of electric shock, disconnect both normal and emergency power supplies and converter connector of the emergency ballast before servicing. Do not attempt to service the emergency ballast. The use of accessory equipment may cause an unsafe condition. Do not use this product for other than intended use. Refer any servicing indicated by these checks to a Qualified Service Personnel.

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.



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WIRING DIAGRAM for EMERGENCY OPERATION at 120V-277V with 0-10V DIMMING

Emergency Ballast and AC Ballast must be fed from the same circuit

