IMPORTANT SAFEGUARDS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

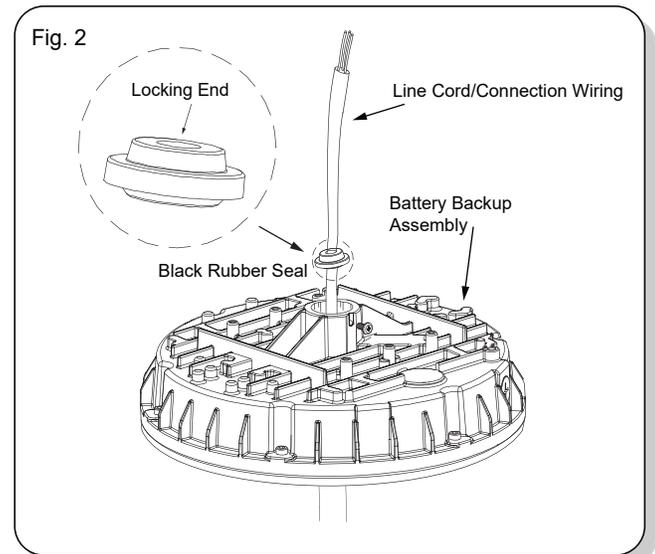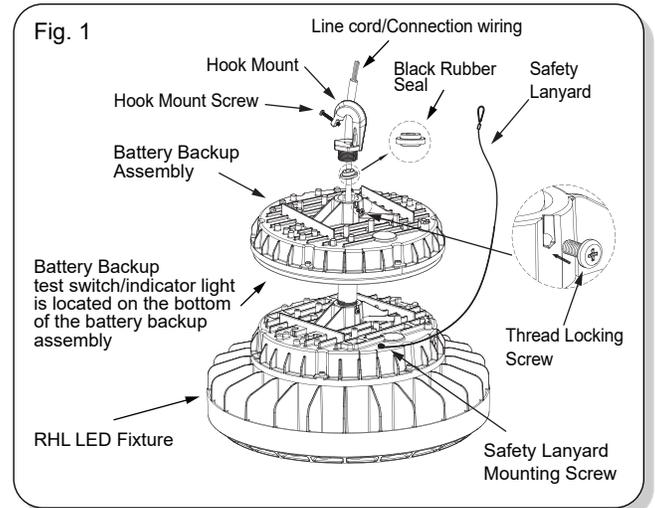When using electrical equipment, basic safety precautions should always be followed including the following:

- **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!

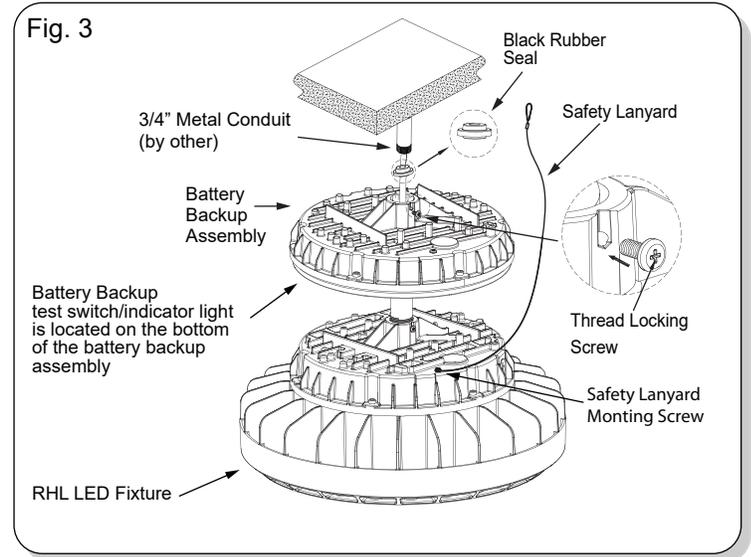**Technical Support** ■ (623) 580-8943 ■ technicalsupport@barronltg.com

Hook Mount Installation (Fig. 1)

1. Verify electrical requirements of fixture are compatible with the supply.

2. Use appropriate sealing materials and techniques for sealing and waterproofing the intended location.

3. Remove protective plastic guard from 3/4" threaded opening and discard.

4. Verify that the black rubber seal is fully seated in the 3/4" threaded opening and that the connection wiring passes through the black rubber seal with the thicker locking end oriented as shown in Fig. 2.

5. Locate the hook mount shipped loose in shipping box.

6. Pass the connection wiring through hole in 3/4" threaded side of hook mount.

7. Remove thread locking screw from 3/4" threaded section of the upper battery backup assembly.

8. Thread hook mount into battery backup assembly and tighten securely.

9. Reinstall thread locking screw into battery backup assembly and tighten securely.

10. Attach the safety lanyard as required by code.

11. Install fixture hook mount on appropriate support and tighten hook mount security screw.

12. Connect fixture wiring per **Wiring Diagram** and any applicable code.

13. Install motion sensor lens over the motion sensor and rotate the lens approximately 1/4 turn (may be left hand engagement) untill fully engaged.

14. Check security and sealing.

15. Refer to section on **Battery Backup Information and Operation**.

16. Motion sensor has DIP switches set at default settings, see **Default Motion Sensor DIP Switch Settings Diagram**. The motion sensor DIP switches are only accessible from within the housing. The motion sensor settings can also be changed by the remote control accessory sold separately (TL-MSSW-REMOTE). Motion sensor instructions are included in the box or available on the **Barron Lighting Group** website.

Fig. 1

Line cord/Connection wiring
Hook Mount
Hook Mount Screw
Black Rubber Seal
Safety Lanyard
Battery Backup Assembly
Battery Backup test switch/indicator light is located on the bottom of the battery backup assembly
Thread Locking Screw
RHL LED Fixture
Safety Lanyard Mounting Screw

Fig. 2

Locking End
Line Cord/Connection Wiring
Battery Backup Assembly
Black Rubber Seal

Pendant Mount with 3/4" Conduit (by others) (Fig. 3)

1. Verify electrical requirements of fixture are compatible with the supply.

2. Use appropriate sealing materials and techniques for sealing and waterproofing the intended location.

3. Remove protective plastic guard from 3/4" threaded opening and discard.

4. Verify that the black rubber seal is fully seated in the 3/4" threaded opening and that the connection wiring passes through the black rubber seal with the thicker locking end oriented as shown in Fig. 2.

5. Use 3/4" metal conduit (supplied by others) of sufficient thickness and strength to securely support the fixture, accessories and all loads.

6. Mount conduit to appropriate supporting structure per code to intended fixture installation height.

7. Remove thread locking screw from 3/4" threaded section of the upper battery backup assembly.

8. Thread battery backup assembly onto the conduit and tighten securely.

9. Reinstall thread locking screw into the battery backup assembly and tighten securely.

10. Attach the safety lanyard as required by code.

11. Route, connect and secure connection wiring per code, see **Wiring Diagram**.

12. Install motion sensor lens over the motion sensor and rotate the lens approximately 1/4 turn (may be left hand engagement) until fully engaged.

13. Check security and sealing.

14. Refer to section on **Battery Backup Information and Operation**.

15. Motion sensor has DIP switches set at default settings, see **Default Motion Sensor DIP Switch Settings Diagram**. The motion sensor DIP switches are only accessible from within the housing. The motion sensor settings can also be changed by the remote control accessory sold separately (TL-MSSW-REMOTE). Motion sensor instructions are included in the box or available on the **Barron Lighting Group** website.

16. Installation complete.

Fig. 3

Black Rubber Seal

3/4" Metal Conduit (by other)

Safety Lanyard

Battery Backup Assembly

Battery Backup test switch/indicator light is located on the bottom of the battery backup assembly

Thread Locking Screw

Safety Lanyard Monting Screw

RHL LED Fixture

Battery Backup Information and Operation

Battery backup requires up to 24 hours to fully charge after connecting to the unswitched line power.

Battery backup illuminates one half of the fixture LEDs on loss of unswitched line power.

Battery backup has a momentary test button with red indicator Light.

Solid Red Indicator Light ON: Indicates there is power to the battery backup and is in charging mode.

Indicator Light OFF: Battery backup is in discharging mode and there is no power to the unswitched line.

Wiring Diagram

Red	Unswitched Line
Black	Switched Line
White	Neutral
Green/Yellow Green	Ground

Note:
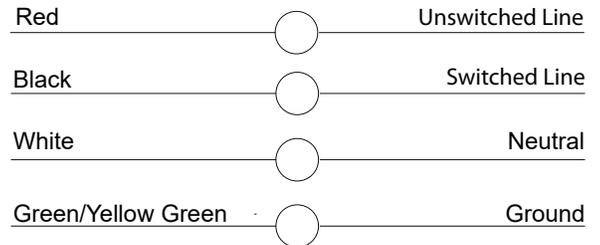Dimming wires are factory connected to the motion sensor.

Pressing and holding the momentary test button simulates loss of power to the unswitched line.
The red indicator light should go OFF and half of the fixture's LEDs should illuminate under battery power.

Troubleshooting

If the RHL with battery backup and motion sensor does not operate as expected:

1. Check incoming voltage meets fixture requirements.

2. Battery backup illuminates 1/2 of the fixture LEDs on loss of power or during a test, this is normal.

3. Motion sensor will power fixture ON for approximately 40 seconds on the initial connection to power, then operate per motion sensor settings.

Default Motion Sensor DIP Switch Settings Diagram				
Dip Switch Number	OFF	ON	Default Setting	Available Settings
1		X	Detection Range Sensitivity Setting: 100% Sensitivity (1 ON, 2 ON)	Detection Range Sensitivity Settings: 20% (1 OFF, 2 OFF) 50% (1 OFF, 2 ON) 75% (1 ON, 2 OFF) 100% (1 ON, 2 ON)
2		X		
3	X		Hold Time Setting: 10 Seconds (3 OFF, 4 OFF)	Hold Time Settings: 10 Seconds (3 OFF, 4 OFF) 1 Minute (3 OFF, 4 ON) 5 Minutes (3 ON, 4 OFF) 15 Minutes (3 ON, 4 ON)
4	X			
5		X	Light Control Setting: 30 LUX (5 ON, 6 OFF)	Light Control Settings: Light Sensor Disabled (5 OFF, 6 OFF) 10 LUX (5 OFF, 6 ON) 30 LUX (5 ON, 6 OFF) 50 LUX (5 ON, 6 ON)
6	X			
7		X	Stand-by Light Level Setting: 30% (7 ON, 8 OFF)	Stand-by Light Level Settings: 0% (7 OFF, 8 OFF) 10% (7 OFF, 8 ON) 30% (7 ON, 8 OFF) 50% (7 ON, 8 ON)
8	X			
9		X	Stand-by Time Setting: 60 Minutes (9 ON, 10 ON)	Stand-by Time Setting: Infinite (9 OFF, 10 OFF) 1 Minute (9 OFF, 10 ON) 30 Minutes (9 ON, 10 OFF) 60 Minutes (9 ON, 10 ON)
10		X		

Please refer to motion sensor instructions and remote/configuration instructions on the **Barron Lighting Group** website for full explanations and capabilities