RHL-SC

RHL with Factory Installed Occupancy Sensor Installation Instructions

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│   │
│   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!   │
│   │
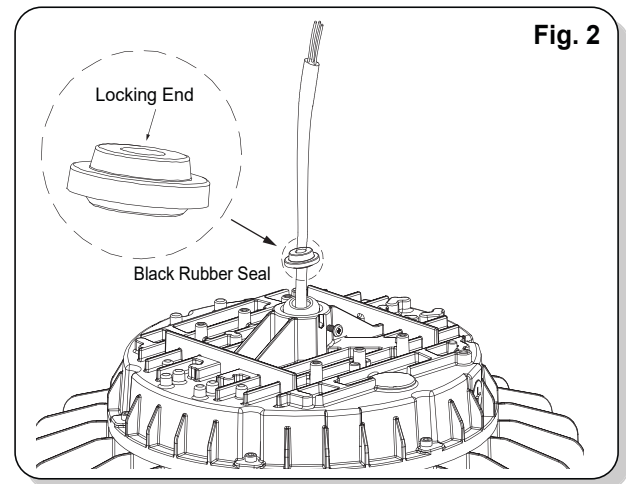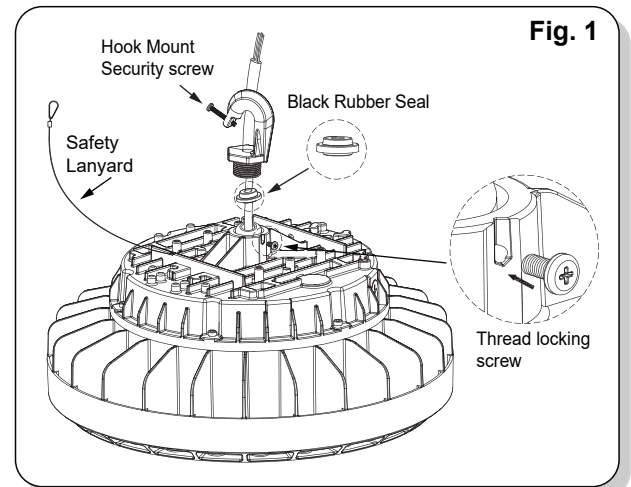└───┘

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

CAUTION:

1. The occupancy sensor protrudes from the center bottom of the fixture. Take care to protect the plastic fixture lens and occupancy sensor from damage during installation.

2. The occupancy sensor lens is easily damaged by physical contact.

3. The occupancy sensor lens is shipped uninstalled and is included inside the fixture box.

4. The occupancy sensor lens may have "counterclockwise to tighten" engagement depending on version.

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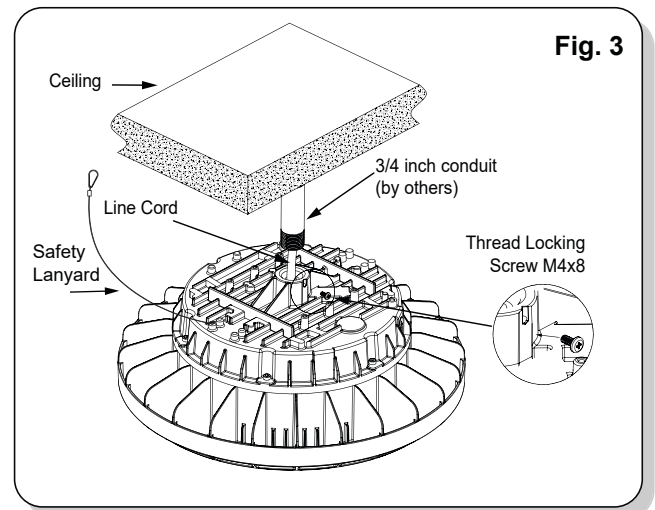## Hook Mount Installation (Fig. 1)

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

2. Use appropriate sealing materials and techniques for sealing and waterproofing for 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 correctly. Correct orientation is thicker/longer side of black rubber seal towards hook mount (Fig. 2).

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

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

7. Remove thread locking screw from threaded portion of upper housing.

8. Thread hook mount into upper housing and tighten securely. Take care not to over tighten.

9. Reinstall thread locking screw into upper housing and tighten securely.

10. Attach safety lanyard provided in box as required by code.

11. The fixture's dimming wires are factory connected internally to the occupancy sensor inside the fixture housing.

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

13. Check tightness, sealing and security of all joints and fasteners.

14. Check security and sealing of connection wiring and seal.

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

16. Route and secure connection wiring per code, See **Wiring Diagram.**

17. **CAUTION:** The occupancy sensor lens is uninstalled and packed separately in the shipping box. Take care as it is easily damaged.

18. **CAUTION:** Inspect occupancy sensor protruding from center face of fixture. Inspect the engagement slot on occupancy sensor. The lens may have "counterclockwise engagement" and depending on sensor version may engage "counterclock wise". Place lens over sensor and rotate lens approximately 1/4 turn in the proper direction until fully engaged. Do not use excessive force.

19. Test fixture operation.

Fig. 1

Hook Mount Security screw
Black Rubber Seal
Safety Lanyard
Thread locking screw

Fig. 2

Locking End
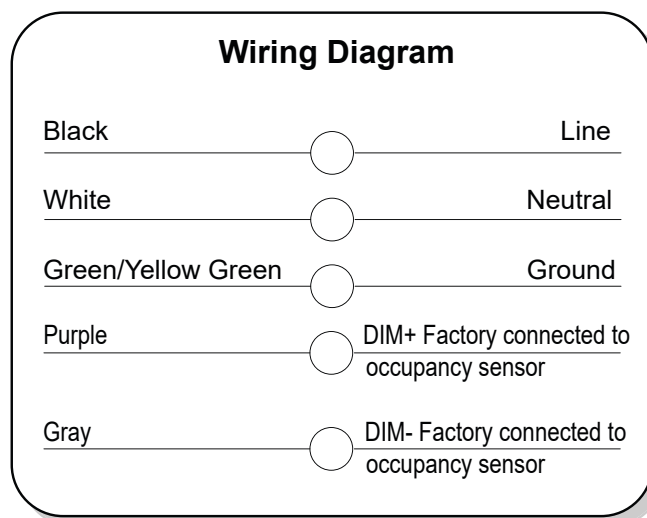Black Rubber Seal

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20. Verify security of fixture.

21. Occupancy sensor has DIP switches set at the manufacturer's default settings. The default dip switch settings are listed in the **Default Sensor Dip Switch Settings Diagram**. The occupancy sensor DIP switches are only accessible from within the housing. The occupancy sensor settings can be easily overridden by the remote control/configurator accessory sold separately. The sensor instructions are included in the box or available on the **Barron Lighting Group** website.

22. Installation complete.

Fig. 3

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

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

2. Use appropriate sealing materials and techniques for sealing and waterproofing for 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 correctly. Correct orientation is thicker/longer side of black rubber seal towards conduit (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 upper fixture housing.

8. Pass connection wiring through conduit.

9. Thread fixture onto conduit and tighten securely.

10. Reinstall thread locking screw into upper housing and tighten securely.

11. Attach safety lanyard as required by code.

12. Check tightness, sealing and security of all joints and fasteners.

13. Check security and sealing of connection wiring and seal.

14. The fixture's dimming wires are factory connected internally to the occupancy sensor inside the fixture housing.

15. Make electrical connections per **Wiring Diagram** and all applicable codes.

16. Route and secure connection wiring per code.

17. Check security and sealing of entire installation.

18. Test fixture operation.

19. **CAUTION:** The occupancy sensor lens is uninstalled and packed separately in the shipping box. Take care as it is easily damaged.

20. **CAUTION:** Inspect occupancy sensor protruding from center face of fixture. Inspect the engagement slot on occupancy sensor. The sensor lens may have "counterclockwise engagement" depending on the sensor version. Place sensor lens over sensor and rotate lens approximately 1/4 turn in the proper direction until fully engaged. Do not use excessive force.

21. Test Fixture Operation.

22. Verify security of fixture.

23. Occupancy sensor has DIP switches set at the manufacturer's default settings. The default DIP switch settings are listed in the Default Sensor Dip Switch Settings Diagram. The occupancy sensor DIP switches are only accessible from within the housing. The occupancy sensor settings can be changed by the remote control/configurator accessory sold separately. The occupancy sensor instructions and remote/configurator instructions are included in the box or available on the **Barron Lighting Group** website

24. Installation complete.

Wiring Diagram

Black	Line
White	Neutral
Green/Yellow Green	Ground
Purple	DIM+ Factory connected to occupancy sensor
Gray	DIM- Factory connected to occupancy sensor

Troubleshooting

If the RHL does not turn on:

1. Check incoming voltage meets fixture requirements.

2. If all LEDs do not illuminate, check that LED Drivers are connected. Verify input and output voltages of LED Drivers are correct. If low or no voltage, consult the factory.

3. Check operation of the occupancy sensor. Refer to sensor and/or remote instructions at the **Barron Lighting Group** website.

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Default 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: 30 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 occupancy sensor instructions and remote/configuration instructions on the **Barron Lighting Group** website for full explanations and capabilities.

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