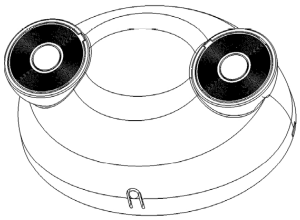
BUB2WFL1 & BUB4WFL1

Installation Instructions

FirstLink High & Low Lumen Unit Equipment



! IMPORTANT SAFEGUARDS !

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Maximum mounting height is 10 feet. For installations greater than 10 feet, consult factory to ensure that adequate illumination will be available on the path of egress.
2. All servicing should be performed by qualified personnel only.
3. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
4. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
5. Do not let power supply cords touch hot surfaces.
6. Do not mount near gas or electric heaters.
7. Do not use this equipment for other than intended use.
8. Make sure all connections are in accordance with the National Electrical Code and any local regulations. Turn off AC power to branch circuits to which units will be connected.
9. This product is for use in indoor or damp locations where the ambient temperature is 10°C to 40°C. Not suitable for outdoor, wet, or hazardous locations.
10. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.
11. This product must be grounded.
12. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated with a minimum distance 20cm between the radiator and your body.
13. This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated with a minimum distance 20cm between the radiator and your body. Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps

SAVE THESE INSTRUCTIONS

Li - ion

THIS PRODUCT CONTAINS A RECHARGEABLE LITHIUM-ION BATTERY.
THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

10/8/25

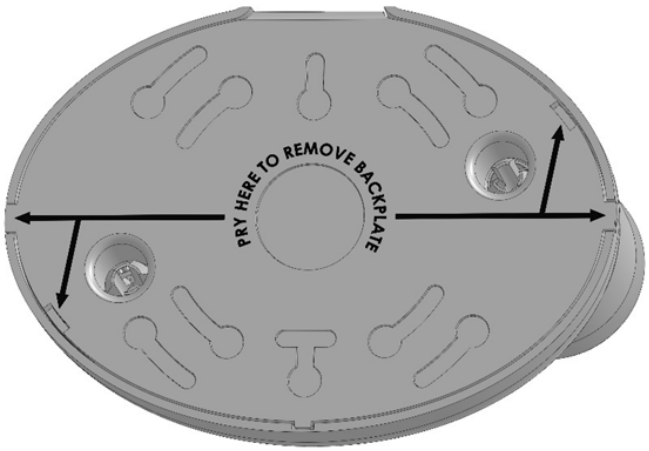
Collierville, TN USA 38017 • Tech Support 888-263-4638 • www.bodine.com

INSTALLATION

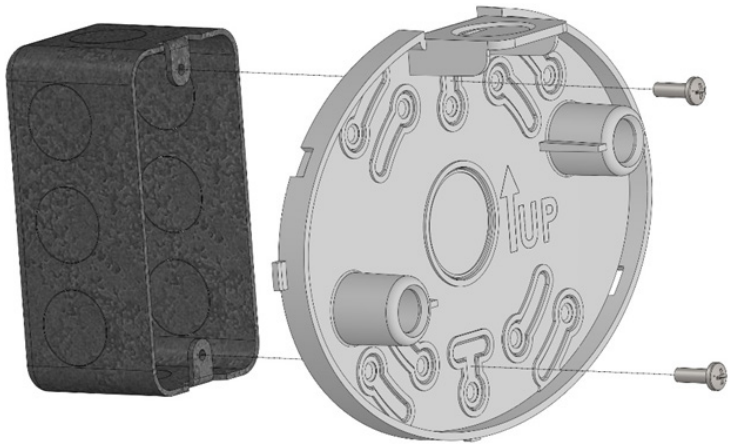
Caution: Turn off AC power to the location where these products will be installed. See wiring diagram for connections to AC power. Make sure all connections are in accordance with the National Electrical Code and any local regulations. Connect white wire to neutral. Connect black wire to 120VAC or 277VAC. Connect green wire to ground.

JUNCTION BOX MOUNTING

1. Remove the backplate from the housing by prying at any of the four locations indicated.



2. Remove the large center knockout and any keyhole knockouts as required and attach the backplate to a single-gang or 3-1/2" or 4" octagonal junction box, supplied by others.



3. Feed the ac power wires through the large center knockout in the backplate. Connect the white wire to common, the black wire to 120VAC or 277VAC and the green wire to ground. If remote capacity option has been ordered, connect the red and black wires to the remote load - red to positive, black to negative. Press excess wire and wire nuts back into the junction box.

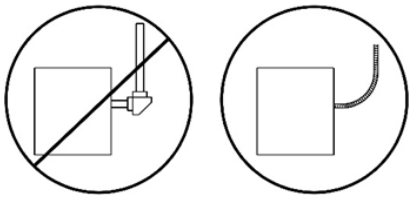
4. Snap the housing onto the backplate. Apply ac power and ensure that the led indicator light on the lower front face is illuminated. aim lamp heads as desired. Manual testing may be performed by using The Bodine FirstLink App or by pressing the test switch.

FLEX-CONDUIT MOUNTING

1. Remove the backplate from the housing by prying at any of the four locations indicated.

2. Remove the 7/8” knockout in the top flange of the backplate and two keyhole knockouts where desired. Mount backplate to the mounting surface using two screws, supplied by others. Attach a conduit fitting and flexible conduit to the top flange of the backplate.

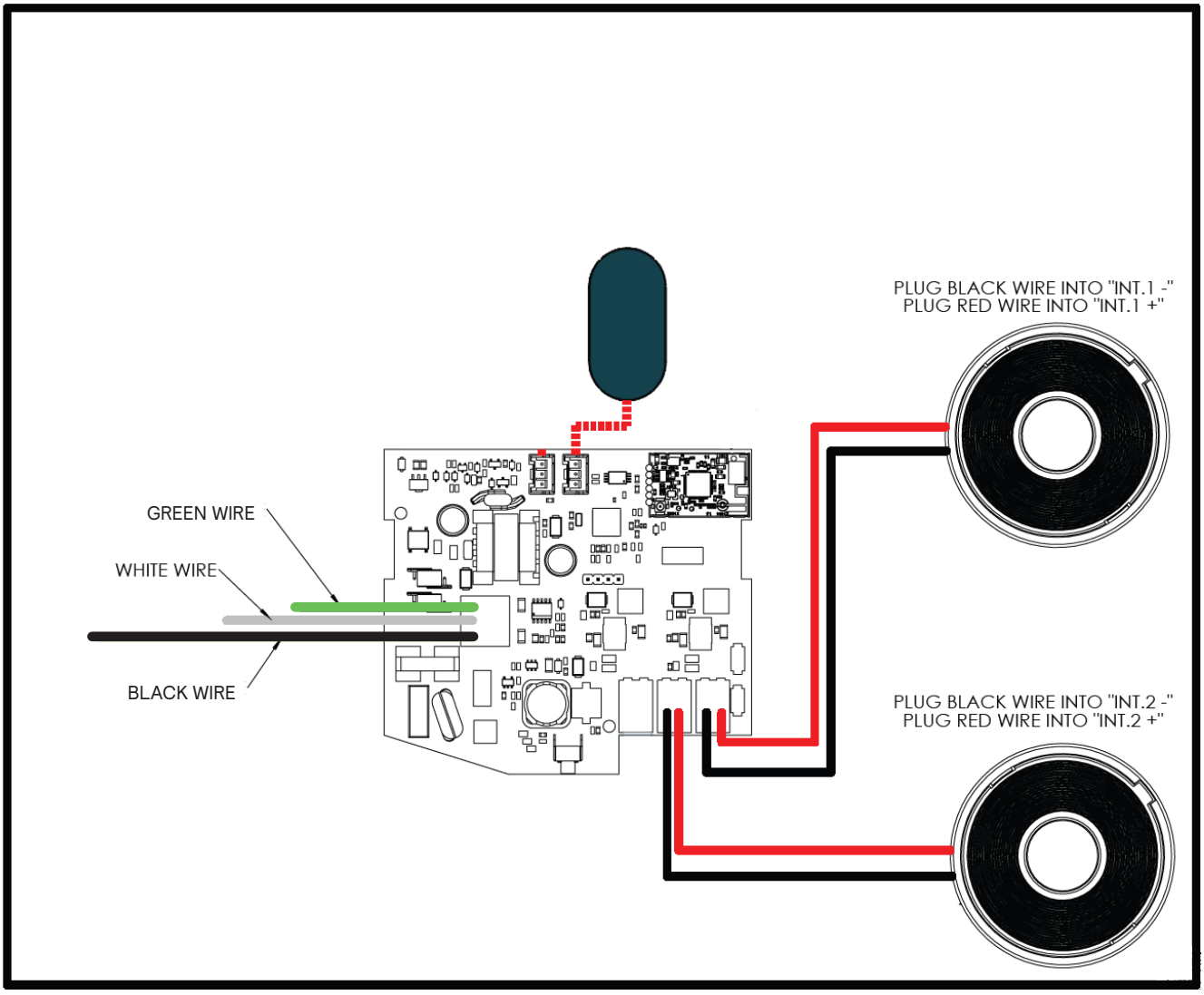
Use Flexible Conduit Only



3. Feed the ac power wires through the large center knockout in the backplate. Connect the white wire to common, the black wire to 120VAC or 277VAC and the green wire to ground. If remote capacity option has been ordered, connect the red and black wires to the remote load - red to positive, black to negative. Press excess wire and wire nuts back into the junction box.

4. Snap the housing onto the backplate. Apply ac power and ensure that the led indicator light on the lower front face is illuminated. aim lamp heads as desired. Manual testing may be performed by using The Bodine FirstLink App or by inserting a small, thin blade into the led indicator light opening and depressing the test switch .

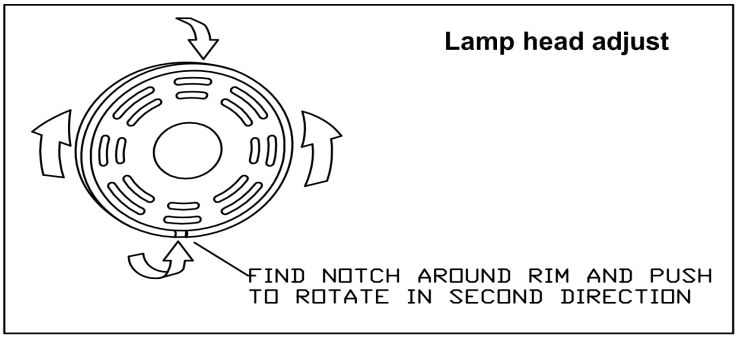
WIRING DIAGRAM



NOTE 1: For short-term testing of the emergency function, the battery must be charged for at least one hour. The emergency driver must be charged for at least 24 hours before conducting a long-term test.

COMPLETE INSTALLATION

- Snap the housing onto the backplate.
- Apply AC power. Press the illuminated test button. The lamp heads should illuminate as long as the test button is depressed.
- Adjust lamp heads as required (see adjustment drawing below).
- See Maintenance and Troubleshooting Guide for self-test/self-diagnostic system instructions.
- After charging for one-hour, an automatic commission test will be performed. The emergency driver will switch to the emergency mode for 30 seconds. If, during future self-tests, the power requirement deviates by more than 50%, an error will be triggered indicating an error in the exit signs light sources.



OPERATION

When AC power fails, the unit equipment automatically switches to emergency mode, powering the LED lamp heads for a minimum of 90 minutes. When AC power is restored, the unit equipment return to charging mode.

ABConnect:

Applying AC power to the unit activates the charger circuit, and supplies power to the control/monitor circuit and charging indicator light. This also activates the emergency operation circuit automatically.

To deactivate the unit for storage or shipping, press and hold the test button while the unit is in emergency mode until the LED lamp heads are turned off.

MAINTENANCE

This self testing unit equipment automatically performs required routine testing. Results are reported to maintenance personnel via the indicator light.

Note: Maintenance personnel can periodically check the indicator light although this is no longer necessary with FirstLink connectivity. If the indicator light is flashing, follow steps in the Troubleshooting Guide.

Self-Test:

This unit contains a control/monitor circuit that automatically performs a 30-second discharge test once a month and a full 90-minute discharge test once a year. 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 LED load, 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 per failure condition (see Troubleshooting Guide on page 5) until the condition has been corrected and the unit passes the next test.

To reset a failure indication, briefly push the Test Switch. If the condition has not been corrected by the next scheduled test, the unit will once again detect the failure and signal the failure indicator.

T**o perform a manual self-diagnostic test,** push and hold the Test Switch for minimum of 5 seconds. Once test switch is released the emergency driver will perform a 30 second diagnostic test. During this test, unit will monitor the operation of the LED load, and battery voltage. If the emergency system functions properly, the unit will return to normal mode. Should the unit detect any problems, the indicator light will flash per failure condition (see Troubleshooting Guide) until the condition has been corrected and the unit passes the next test.

TROUBLESHOOTING GUIDE

If the unit has encountered a problem after installation, then the Illuminated Test Switch will flash the error code with the indicator light. Count the number of times the indicator is OFF to read the number of flashes. Then use the troubleshooting steps to solve the issue.

Bi-Color indicator (color/flashing)	ERROR	CORRECTIVE ACTION
Green/ No Flashes	None	The unit is operating correctly, and the internal battery is fully charged
Green/ Slow Flashes	None	1. The Unit is charging. The main light is operating normal. 2. The Unit is running a self-diagnostic test. The LED Load is operating in Emergency level.
OFF	None	In Emergency mode, or emergency run-time is ended and unit is de-activated.
Red-Green/fast	None	Device Identification command is in progress.
Red / 2x Flashes	Battery	Indicates that a self-test/self-diagnostic test did not meet full duration 1. Charge the unit for the rated recharge time and perform a manual self-diagnostic test. 2. If error is still present, then the battery is past it's useful life and should be replaced.
Red / 3x Flashes	Charging	1. Check input AC mains wiring of Unswitched Hot, Neutral and Ground. 2. Verify Voltage and Frequency are stable and match the product's input rating on the label
Red / 4x Flashes	LED Load, Commissioning	During a self-test/self-diagnostic test, Lamps have burned out more the 50%, or One or both lamp heads have failed. 1. Check for Open or Short circuit on the output connections and correct the connections. 2. After correcting corrections recalibrate the commission value by deactivating the unit. Apply AC mains to activate unit and it will recommission itself after one hour. 3. If unit still exhibits 4x flashes contact customer care.
Red / 5x Flashes	Temperature	Product temperature is beyond its rated temperature range. 1. Ensure unit is within the rated temperature range stated on the product label. 2. Confirm by measuring at the Tc point on the product label.
Alternating Red/Green Flashes	None	The product has been placed into the Identification mode through the app.

FIRSTLINK

This unit is able to be commissioned into a connected emergency system using the FirstLink phone /tablet app. This allows periodic self-tests to be scheduled at a convenient time for the installation site. Once scheduled, the functional tests (30 seconds every 30 days) and duration tests (90 minutes every year) will be conducted automatically and the results stored in the unit awaiting download from the app. Written reports in the form of Excel ".csv" files are available through the app as well. See Bodine FirstLink App Guide (FirstLink App Guide) for more information.

WARNINGS

Any changes or modifications not expressly approved by Signify could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device."

"L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage ;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."