

INSTALLATION DATA SHEET

XPEL LED EMERGENCY SERIES

EMERGENCY LED LIGHTING EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS

Class I, Division 1&2, Groups C & D, Class II, Division 1, Groups E, F & G, Class III

WARNING!

READ AND FOLLOW ALL SAFETY INSTRUCTIONS BEFORE INSTALLING THIS LUMINAIRE

This luminaire should be installed in strict accordance with the National Electrical Code and any local requirements.

1. This luminaire should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
2. All maintenance procedures are to be performed only when the atmosphere surrounding the luminaire is non-hazardous.
3. To prevent the ignition of hazardous atmospheres, disconnect the luminaire from the supply circuit before opening. Keep tightly closed when in operation. This luminaire has more than one power supply connection. When AC power is disconnected, the emergency driver output will be live.
4. To prevent high voltage from being present on the Emergency Drivers output leads, do not join the battery connectors until installation is complete and AC power is supplied to the luminaire.
5. To reduce the risk of electrical shock, disconnect both normal and emergency power supplies and battery connector (located inside the junction box) before servicing.
6. To reduce the risk of ignition of hazardous atmospheres, conduit runs must have a sealing fitting connected within 18 inches of the enclosure.
7. Emergency drivers inside this luminaire requires an unswitched AC power source of voltage specified on nameplate.
8. Do not mount near gas or electrical heaters.
9. Do not attempt to service the batteries inside the Emergency Drivers of this luminaire. The Emergency drivers incorporates sealed, maintenance-free batteries that are not field replaceable.
10. The use of accessory equipment not recommended by Rig-A-Lite may cause unsafe conditions.
11. Do not use this equipment for other than intended use.
12. Installation and servicing of this luminaire should be performed by qualified personnel.

SAVE THESE INSTRUCTIONS



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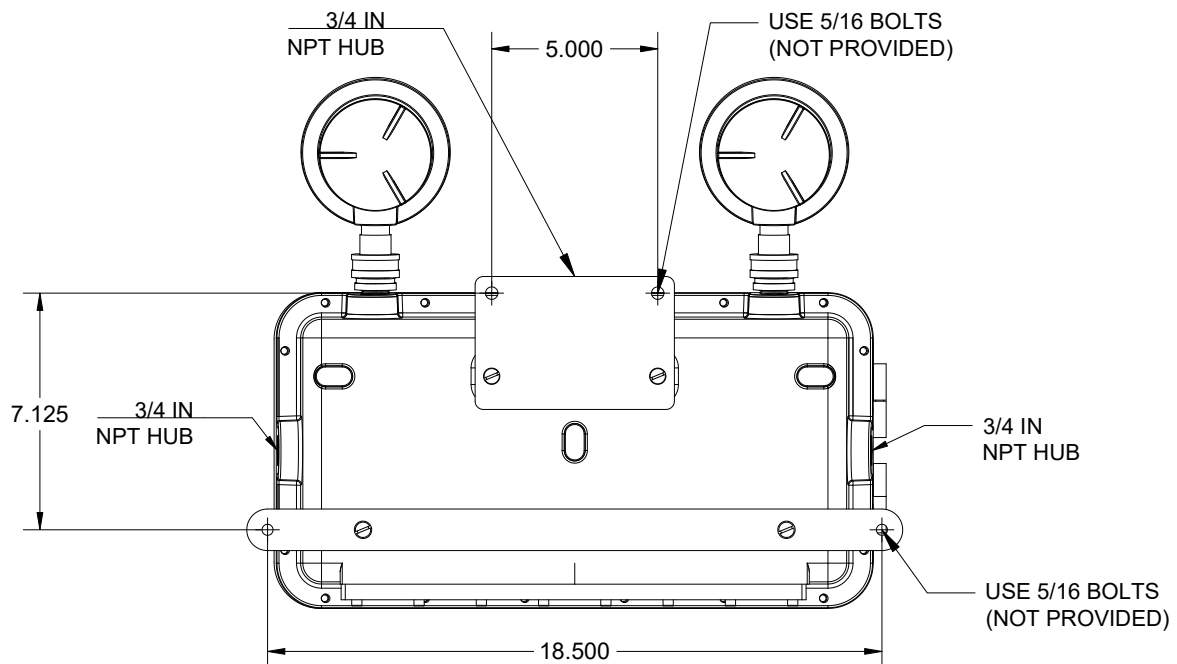
INSTALLATION:

Note: Before installing this luminaire, make sure that the necessary branch circuit wiring is available. The Emergency drivers in this luminaire requires an unswitched source of power; therefore, the Emergency drivers must be connected ahead of any local switching (See wiring diagram).

1. This unit is furnished completely assembled. Before installing, check the luminaire label to ensure correct voltage and frequency.
2. This luminaire is fitted with multiple emergency drivers. For the Local LED heads, the driver (Bodine BSL310-CAN) is located in the upper compartment of the main housing. For models with local and remote LED heads, the upper compartment will have TWO (BSL310-CAN) Emergency drivers stacked on top of each other. The local LED heads are wired to the lower driver and the remote LED heads are wired to the upper emergency driver. The Bottom compartment of the main housing is not used in the XPEL Series.
3. The Emergency drivers have a battery disconnect that needs to be connected while in service.

Surface Mount

1. Install Mount Plates to the back of the luminaire by means of two each ¼-20 Flat Head screw provided. Flat Head screw must be securely fastened. Install the luminaire to the wall by means of the mount plates using 5/16 in. Bolts (not provided).
2. Attach conduit to any of the three ¾" NPT hubs on the fixture, making sure that at least five full threads are engaged and conduit is tight as per the requirements of the NEC.
3. Remove junction box cover (Screw cap) and pull supply wires into terminal block. Attach Black lead for 120V through 277V 50/60 Hz, White lead for Neutral and Green lead for Ground. Replace junction box cover.



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OPERATIONAL DATA:

1. Operate this luminaire at its rated voltage. See the luminaire label for data.
2. The Emergency drivers in this luminaire is designed to operate on Grounded Neutral Systems only. For Line Systems with neither of the lines at ground potential, specially designed drivers are required.
3. When the AC power is applied, the charge indicator lights are illuminated, indicating that the batteries are being charged.
4. When the power fails, the Emergency Drivers within this luminaire are switched to emergency power, operating the Emergency LED modules at reduced illumination for at least 180 minutes.

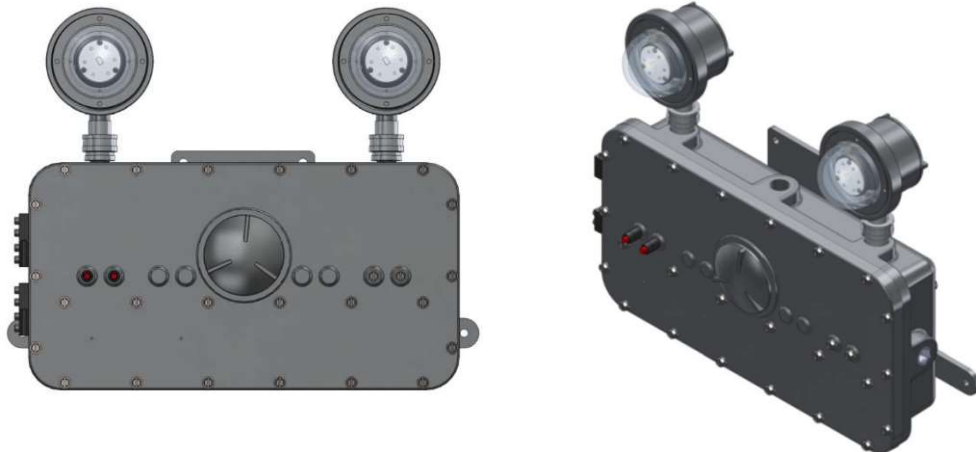
MAINTENANCE DATA:

All maintenance procedures are to be performed only when the atmosphere surrounding the luminaire is non-hazardous. The emergency drivers have battery disconnects that must be connected while in service and disconnected while working with the wiring.

1. Although no routine maintenance is required to keep this luminaire functional, it should be checked periodically to ensure it is working properly, and to look for any external damage. The following schedule is recommended:
 - a. Visually inspect the charging indicator lights monthly. They should be illuminated.
 - b. Test the emergency operation of the luminaire once every 3 months.
 - c. Conduct a 180 minute discharge test once a year. The Emergency LED modules and EXIT sign should operate for at least 180 minutes.
2. Replace batteries only with Philips Bodine BSL310-CAN.
3. This fixture contains sealed Ni-Cad batteries. Used Ni-Cad batteries may not be disposed of in the municipal solid waste stream. Ni-Cad batteries must be recycled or disposed of properly. For information on local recycling drop off points, phone toll free 1-800-BATTERY.
4. For optimum performance, keep the light transmission portions of the luminaire clean.

REPLACEMENT PARTS:

Refer to Rig-A-Lite's website or contact your nearest Rig-A-Lite distributor for information.



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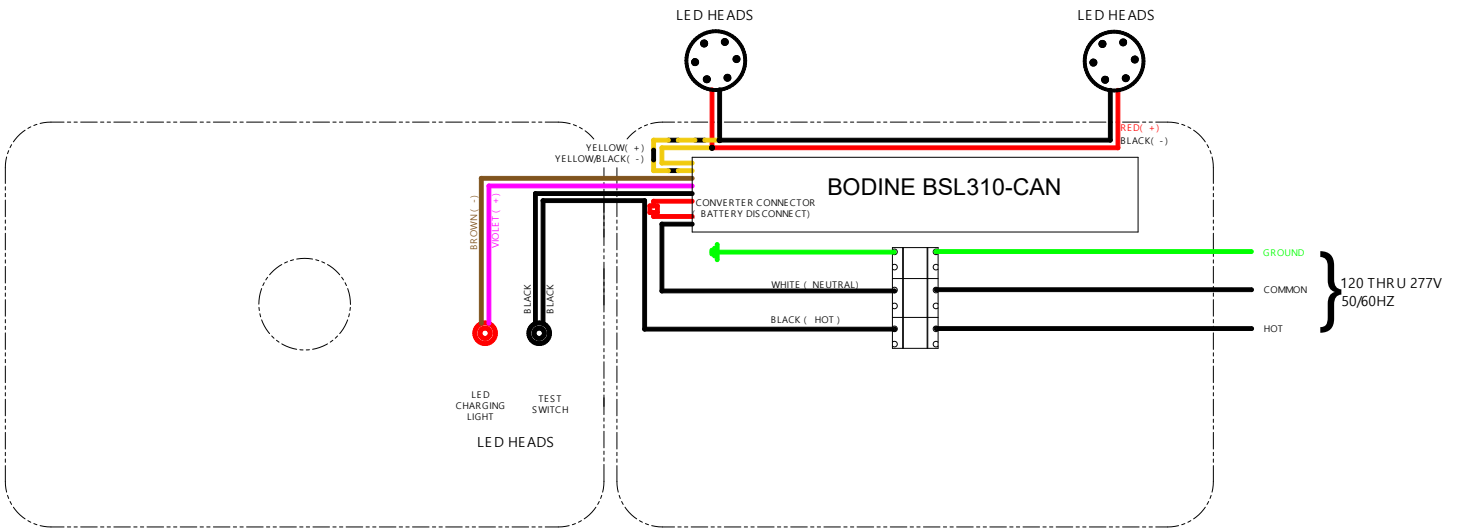
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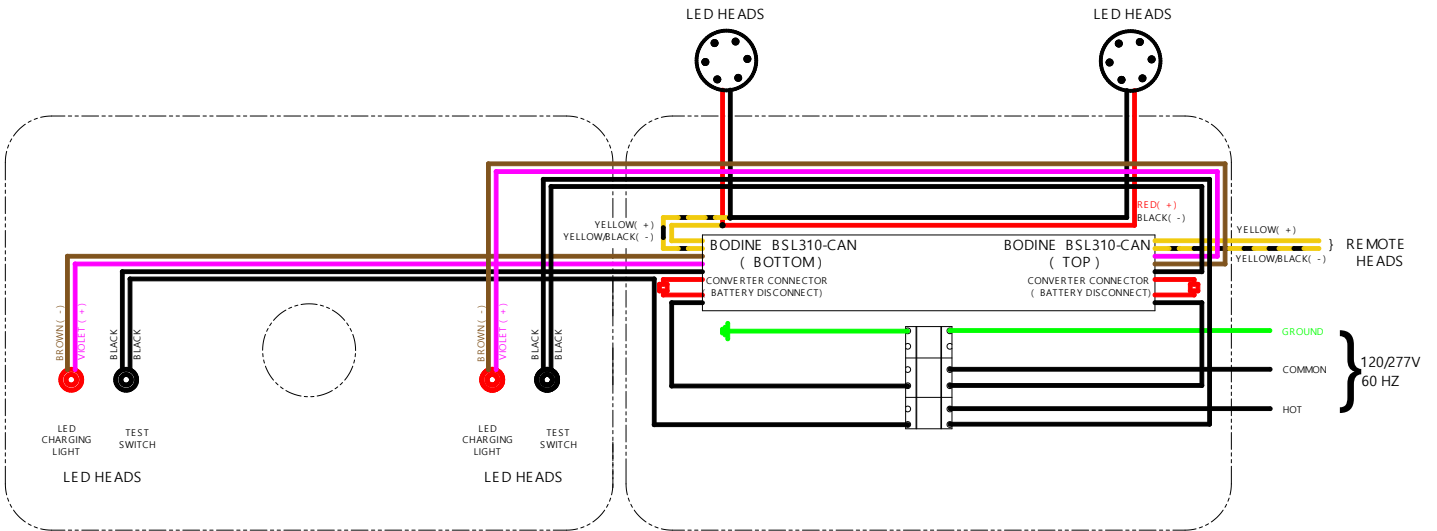
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WIRING DIAGRAMS



WIRING DIAGRAM
XPEL-U-2-0-X-XX



WIRING DIAGRAM
XPEL-U-2-2-X-XX



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LAMP HEAD LED BOARD REPLACEMENT:

1. Turn off the power to the luminaire .
2. Remove the (24) screws on the front access cover, swing it open and disconnect the battery connectors that are contained inside the luminaire.
3. Remove the screw cap from the lamp head to be replaced.
4. Remove the (4) four screws holding the LED mount and carefully remove the assembly out of the head.
5. Remove the (4) four screws holding the LED board to its mount, lift and unplug the wire connector from the LED board.
6. Connect the new LED board and install in the mount using the four screws.
7. Install the mount into the lamp head enclosure and secure with (4) screws.
8. Replace the screw cap cover.
9. Re-Connect the battery connectors and close the front access cover.
10. Turn the power on.



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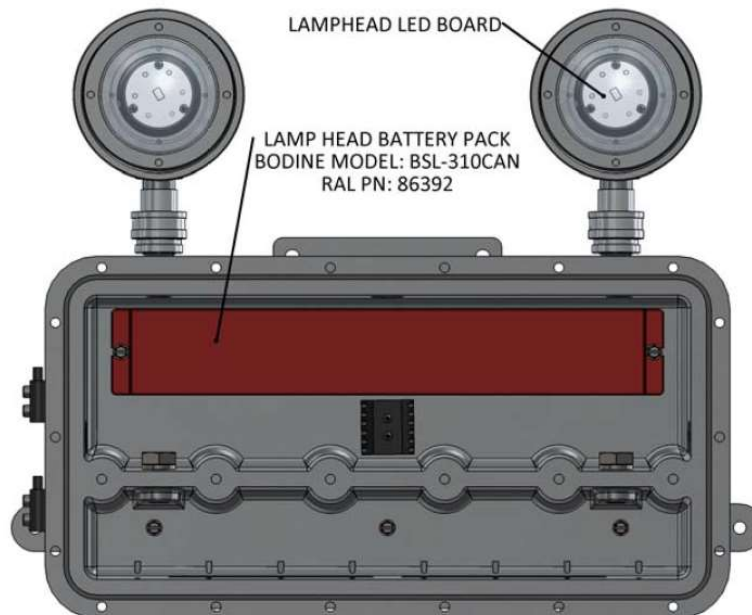
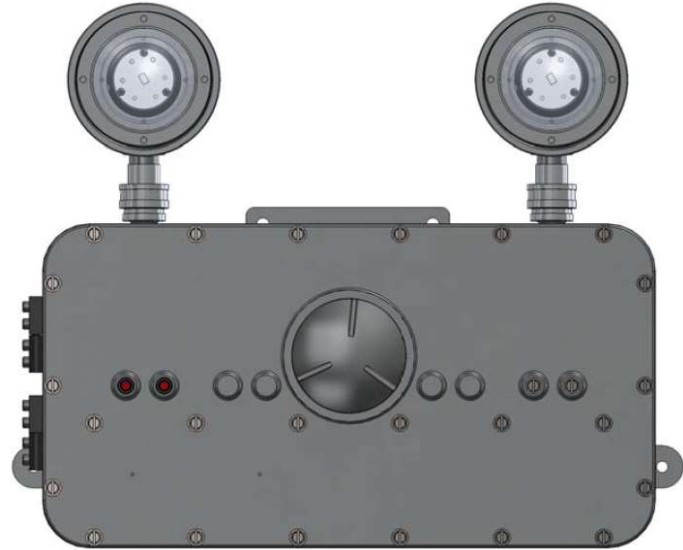
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LAMP HEAD BATTERY PACK REPLACEMENT:

(Lamp heads are powered by Bodine battery pack BSL-310CAN, Ni-Cad batteries inside the battery pack are not replaceable. When it is necessary, replace the battery pack).

1. Turn off the power to the luminaire .
2. Remove the (24) screws on the front access cover, swing it open and disconnect the battery connectors that are contained inside the luminaire.
3. Remove the wire harness from the battery pack.
4. Remove the (2) screws hold the battery pack to the enclosure.
5. If more than one battery pack is installed in the enclosure, please identify the one to be replaced.
6. When two battery packs are installed, the mounting bracket must be removed to access the bottom unit.
7. Install new Bodine BSL-310CAN battery packs in place and mounting bracket if applicable.
8. Re-Connect the battery connectors and close the front access cover.
9. Turn the power on.



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