

INSTALLATION DATA SHEET

XP LED EMERGENCY SERIES

EMERGENCY LED LUMINAIRE FOR USE IN HAZARDOUS LOCATIONS
Class I, Division 1, Groups C & D, Class II, Division 1, Groups E, F & G, Class III

WARNING!

READ AND FOLLOW ALL SAFETY INSTRUCTIONS BEFORE INSTALLING THIS LUMINAIRE

1. This luminaire should be installed in strict accordance with the National Electrical Code and any local requirements.
2. This luminaire should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
3. To prevent the ignition of hazardous atmospheres, disconnect the luminaire from the supply circuit before opening. Keep tightly closed when in operation. When AC power is disconnected, the emergency driver output will be live.
4. To prevent high voltage from being present on the Emergency Driver output leads, do not join the battery connector 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. Emergency driver inside this luminaire requires an unswitched AC power source of 120V through 277V 50/60Hz.
7. Do not mount near gas or electrical heaters.
8. Do not attempt to service the battery inside the Emergency Driver of this luminaire. The Emergency driver incorporates a sealed, maintenance-free battery that is not field replaceable.
9. The use of accessory equipment not recommended by Rig-A-Lite may cause unsafe conditions.
10. Do not use this equipment for other than intended use.
11. Installation and servicing of this luminaire should be performed by qualified personnel.

SAVE THESE INSTRUCTIONS



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REMOTE TEST SWITCH PROVISIONS FOR EMERGENCY BATTERY TEST

This luminaire has provision to install a remote mounted test switch for the battery. The switch shall comply with the following:

1. Switch shall be certified for the area where it is to be installed (ordinary or hazardous locations).
2. Switch shall be installed using acceptable wiring methods for the areas involved in accordance with the NEC.
3. Switch shall be connected to the emergency luminaire circuit such that when depressed it provides a transfer function and disconnects and isolates the normal input from the emergency input.
4. Switch shall be identified as to its function (i.e. – marked “Emergency Luminaire Test switch”).
5. Switch shall have electrical ratings suitable for the emergency luminaires.
6. Switch shall be manually operated type.
7. Switch shall be of :
 - a. Momentary-contact type, or
 - b. Maintained-break type that opens all ungrounded conductors and be accessible only to authorized persons.

INSTALLATION:

Note: Before installing this luminaire, make sure that the necessary branch circuit wiring is available. The Emergency driver in this luminaire requires an unswitched source of power and must be fed from the same branch circuit as the AC driver; therefore, in switched luminaires the Emergency Driver must be connected ahead of any local switching (See illustration 1).

1. This unit is furnished completely assembled. Before installing, check the luminaire label to ensure correct voltage and frequency.
2. Typical XP Series installations are shown on following page.



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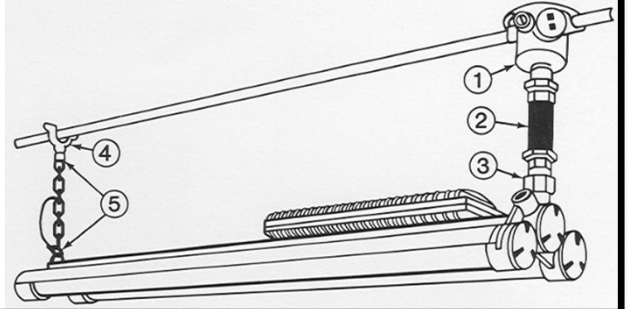
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TYPICAL XP LED SERIES INSTALLATIONS

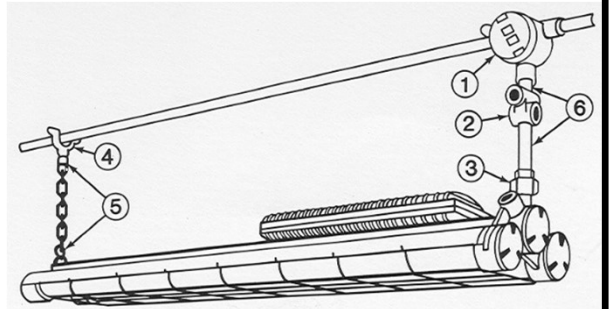
Flexible mounting provides free swing and impact protection.

1. Splice Box / Fixture Hanger.
2. Flexible Pendant Hanger.
3. Union.
4. Rigid Support.
5. Support Hook.



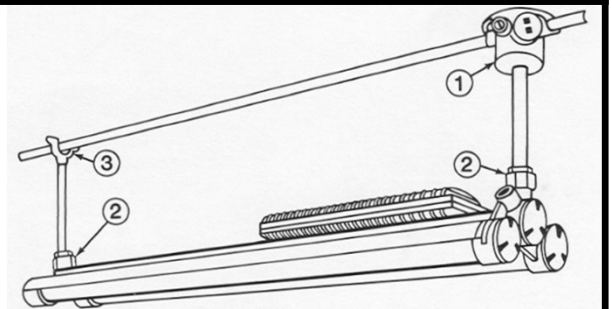
Flexible mounting provides free swing and impact protection.

1. Splice Box / Fixture Hanger.
2. Swivel Hanger.
3. Union.
4. Rigid Support.
5. Support Hook.
6. Conduit Nipple



Rigid mounted.

1. Splice Box / Fixture Hanger.
2. Union.
3. Rigid Support.



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XP LED EMERGENCY SERIES

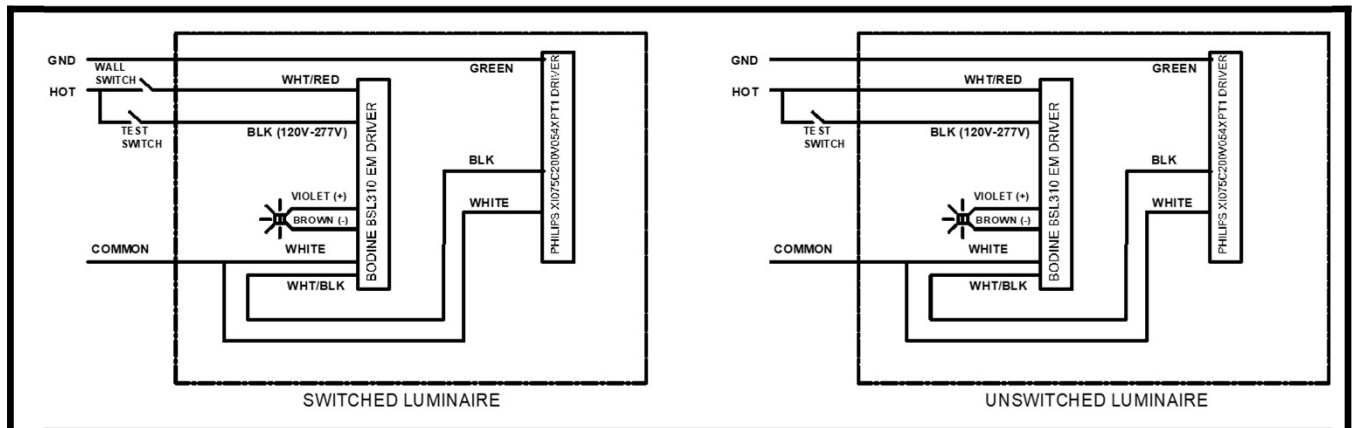
OPERATIONAL DATA:

1. Operate this luminaire at its rated voltage. See the luminaire label for data.
2. The AC driver 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 light is illuminated, indicating that the battery is being charged.
4. When the power fails, the Emergency Driver within this luminaire switched to emergency power, operating the Emergency LED module at reduced illumination for at least 90 minutes.

MAINTENANCE DATA:

All maintenance procedures are to be performed only when the atmosphere surrounding the luminaire is non-hazardous.

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 light monthly. It should be illuminated.
 - b. Test the emergency operation of the luminaire once every 3 months.
 - c. Conduct a 90 minute discharge test once a year. The Emergency LED module should operate for at least 90 minutes.
1. For optimum performance, keep the light transmission portion of the luminaire clean.
2. An optional wire guard, polycarbonate shield or both can be installed on the luminaire to protect the glass tubes. Refer to Rig-A-Lite's website or contact you nearest Rig-A-Lite distributor for information.
3. In the event of glass tube breakage, it will be necessary to replace the damaged unit with a factory sealed housing assembly, in order to maintain the integrity of this luminaire.



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