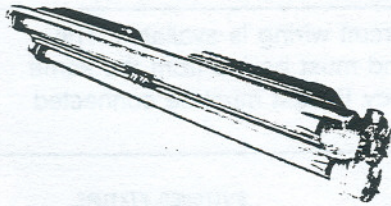


EMERGENCY FLUORESCENT LIGHTING FIXTURE



- CLASS I DIVISION 1 & 2, GROUP C & D
- CLASS II DIVISION 1 & 2, GROUP E, F & G
- CLASS III

INSTALLATION, OPERATION and MAINTENANCE MANUAL

IMPORTANT SAFEGUARDS

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

DANGER - Do not install or service unless area is known to be nonhazardous. This fixture has more than one power supply connection.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS BEFORE INSTALLING THIS FIXTURE

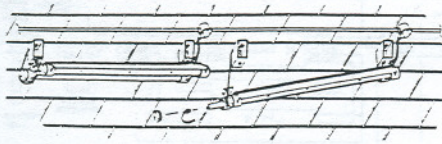
1. This fixture should be installed in strict accordance with the National Electrical Code and any local requirements.
2. This fixture should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
3. To prevent ignition of hazardous atmosphere, disconnect fixture from the supply circuit before opening. Keep tightly closed when in operation. When AC power is disconnected, the emergency ballast output will be live.
4. To prevent high voltage from being present on the Emergency Ballast output leads (Red and Yellow), do not join the battery connector until installation is complete and AC power is supplied to the fixture.
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 ballast inside this fixture requires an unswitched AC power source of 120V, or 277V 60HZ. 220V 50HZ available, but does not carry the UL Listing.
7. Do not mount near gas or electric heaters.
8. Do not let power supply cords touch hot surfaces.
9. Do not attempt to service the battery inside the Emergency Ballast of this fixture. Emergency Ballast incorporates a sealed, no maintenance battery that is not field replaceable. Contact Rig-A-Lite Company for information on factory replacements.
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 fixture should be performed by qualified personnel.

SAVE THESE INSTRUCTIONS

WALL/CEILING MOUNT KIT

Part Number 53041

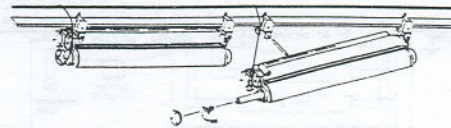
Includes 2 brackets, 2 hex head pipe thread screws, 1 safety chain and assorted screws.



DROP MOUNT KIT

Part Number 53037

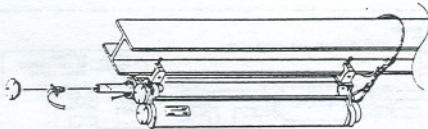
Includes 2 beam clamps, 2 universal shock mount assemblies, 1 eye bolt, 1 safety cable and assorted screws.



BEAM CLAMP MOUNT KIT

Part Number 53035

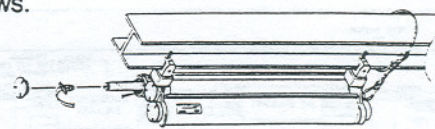
Includes 2 beam clamps, 2 stud hex mounts, 1 eye bolt, 1 safety cable and assorted screws.



SHOCK MOUNT KIT

Part Number 53036

Includes 2 shock mount assemblies, 2 beam clamps, 1 eye bolt, 1 safety cable and assorted screws.



3. After installation is complete, supply AC power to the fixture, and join the battery connector.
4. A short term discharge test may be conducted after the Emergency Ballast has been charging for 1/2 hour. Charge for one week before conducting a long term discharge test.

OPERATION

1. Operate this fixture at its rated voltage. See fixture label for data. To receive full benefit of rated lamp output and to prolong ballast life, it is essential that voltage supply to the fixture be maintained within the following limits:

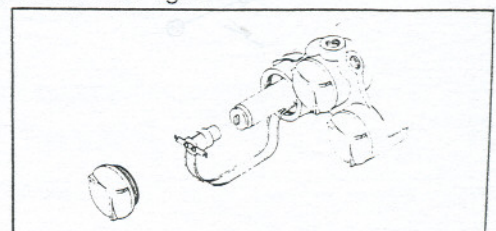
NOMINAL VOLTAGE	OPERATION VOLTAGE	
	MINIMUM	MAXIMUM
120	110	125
220	205	232
277	255	290

2. The AC ballast in this fixture is designed to operate on Grounded Neutral Systems only. For Line Systems with neither of the line wires at Ground potential, specially designed ballast are required.
3. When AC power is applied, the charge indicator light is illuminated, indicating that the battery is being charged. When power fails, the Emergency Ballast within this fixture switches to emergency power, operating either 1 or 2 lamps at reduced illumination for at least 90 minutes.

MAINTENANCE

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

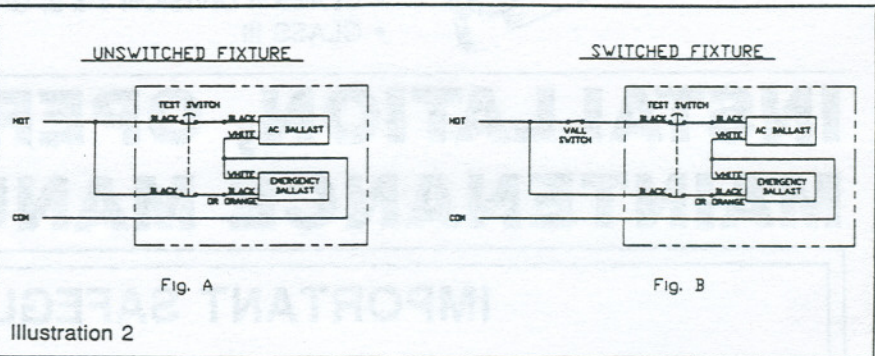
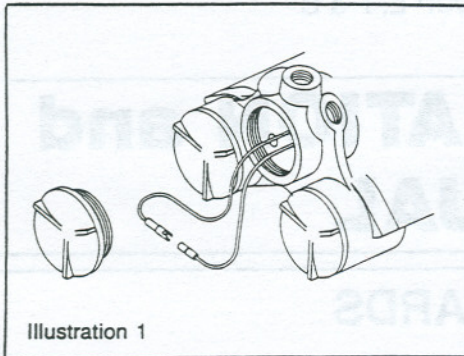
1. Although no routine maintenance is required to keep this fixture functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:
 - a. Visually inspect the charging indicator light monthly. It should be illuminated.
 - b. Test the emergency operation of the fixture once every 3 months. Either 1 or 2 lamps should operate at reduced illumination.
 - c. Conduct a 90 minute discharge test once a year. Either 1 or 2 lamps should operate at reduced illumination for at least 90 minutes.
 - d. Remove breather and clean with dry compressed air (no oil or water in air line). Direct air stream from inside breather to outside once a year or more often if dusty conditions prevail. Reinstall, taking care not to damage threads. Make sure breather is wrench tight.
2. To relamp the fixture disconnect both normal and emergency power supplies and battery connector of the emergency ballast. Remove lamp compartment cover. Loosen lampholder bracket screws. Twist and remove lampholder bracket. Remove lamp. Insert new lamp in opposite lampholder. Replace lampholder into position on lamp. Twist slightly to place lampholder bracket under screw heads, and tighten screws. Replace cover.
3. When replacing AC Ballast, it should be of Class-P Thermally-protected type.



INSTALLATION

WARNING: To prevent high voltage from being present on the Emergency Ballast output leads (Red and Yellow), do not join the battery connector (located inside the Junction Box) until installation is complete and AC power is supplied to the fixture (See Illustration 1). This should be done only when the area is non-hazardous.

NOTE: Before installing this fixture, make sure that the necessary branch circuit wiring is available. The Emergency Ballast in this fixture requires an unswitched source of power and must be fed from the same branch circuit as the AC ballast; therefore, in switched fixtures the Emergency Ballast must be connected ahead of any local switching (See Illustration 2).

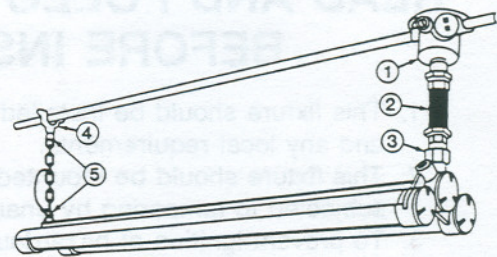


1. This unit is furnished completely assembled. Before installing, check the fixture label to insure correct voltage and frequency.
2. Typical XP Series fixture installations are shown below:

Dummy (non-powered) end lowers for relamping clearance which is required when fixtures are mounted in close proximity. 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

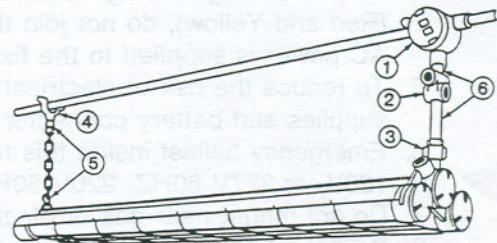
Note: Leave extra links to support fixture in relamping positions.



Dummy (non-powered) end lowers for relamping clearance which is required when fixtures are mounted in close proximity.

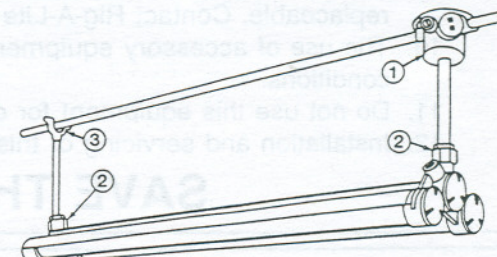
1. Splice Box/Fixture Hanger
2. Swivel Hanger
3. Union
4. Rigid Support
5. Support Hook
6. Conduit Nipple

Note: Leave extra links to support fixture in relamping position.



Rigid mounted — for installations where relamping can be accomplished without lowering dummy end.

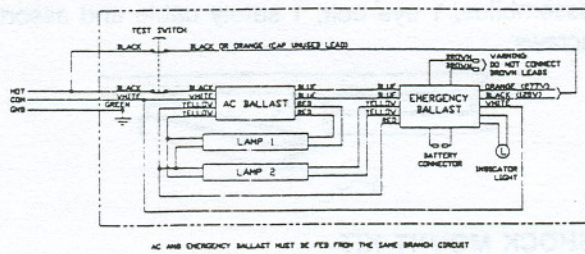
1. Splice Box/Fixture Hanger
2. Union
3. Rigid Support



WIRING DATA

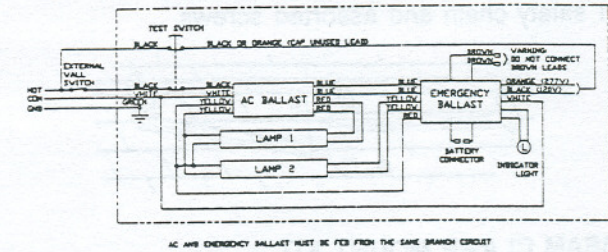
ONE LAMP EMERGENCY OPERATION

— UNSWITCHED FIXTURE



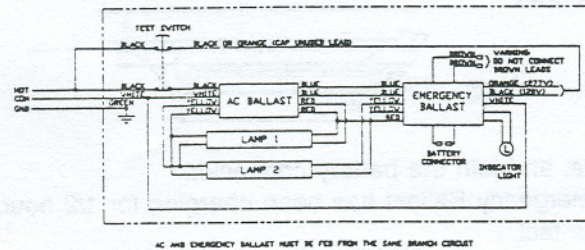
ONE LAMP EMERGENCY OPERATION

— SWITCHED FIXTURE



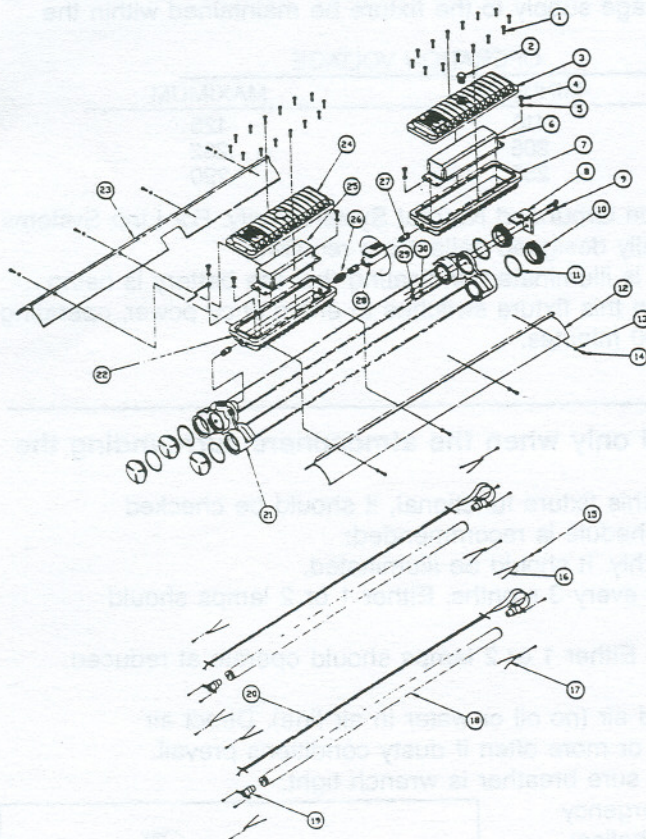
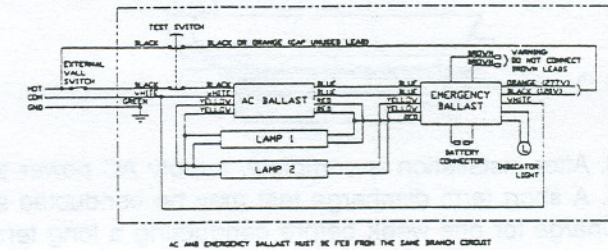
TWO-LAMP EMERGENCY OPERATION

— UNSWITCHED FIXTURE



TWO-LAMP EMERGENCY OPERATION

— SWITCHED FIXTURE



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	28076	SCREW, HEX HD SS	28
2	30300	BREATHER	1
3	26097	HOUSING, EMERGENCY BALLAST TOP	1
4	28140	SCREW, RD HD, SS	5
5	28246	WASHER, SPLIT LOCK, SS	5
6	02001	BLST, FLOOR EMERGENCY 120/277V 60HZ	1
7	26002	HOUSING, EMERGENCY BALLAST BOTTOM	1
8	26016	BRACKET, MOUNTING ANGLE	1
9	28007	SCREW, HEX HD CDPL	2
10	26324	COVER, SCREW CAP	5
11	34032	GASKET, COVER SEAL	5
12	23006	REFLECTOR, EMERGENCY RHS	1
13	28246	WASHER SPLIT LOCK, SS	8
14	28171	SCREW, SOCKET HD, SS	8
15	28089	SCREW, PAN HD, SS	16
16	82052	WIRE, TOP LAMP GUIDE	4
17	82051	WIRE, LOWER LAMP GUIDE	4
18	44005	LAMP FLUOR 800MA 60W HO COOL WHITE 48"	2
19	26206	LAMPHOLDER ASSEMBLY 18" LEAD	2
20	26207	LAMPHOLDER AND WIREWAY ASSEMBLY-72"	2
21	26017	HOUSING ASSEMBLY (FACTORY SEALED)	1
22	26202	HOUSING, BALLAST BOTTOM	1
23	23007	REFLECTOR, EMERGENCY LHS	1
24	26197	HOUSING, BALLAST TOP	1
25	02011	BALLAST, 800MA, 120V 60HZ (AC BALLAST)	1
26	30387	UNION, XP 1/2 MALE/FEMALE	1
27	30070	NIPPLE, CONDUIT ALUMINUM	1
28	24002	PUSHBUTTON AND PILOT LIGHT ASSEMBLY	1
29	28180	NUT, HEX CDPL	2
30	28240	WASHER, SPLIT LOCK CDPL	2