



UFO-RP3

FLUORESCENT BATTERY PACK

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. **CAUTION** - To prevent electrical shock, do not mate unit connector until installation is complete and A.C. power is supplied to the unit.
2. **CAUTION** - This fixture provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency sources by turning off the A.C. Branch circuit and by disconnecting the unit connector.
3. The battery is sealed, non-maintenance, and is not replaceable in the field. Please contact manufacturer for information on service. Do not attempt to service the battery please.
4. **DO NOT USE OUTDOORS.** The product is for use with grounded, UL Listed, indoor fixtures except in heated air outlets or hazardous locations.
5. The product requires an unswitched A.C. Power source of either 120 or 277 volts. Properly cap the unused A.C. Lead.
6. Do not mount near gas or electric heaters.
7. The product should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
8. This product is for use with 14 W through 54W(2'-4')T5 and T8 single pin or bipin for one lamp, Instant Start and Rapid Start, 14W through 39W(2'-4')T5 and T8 single pin or bipin for two lamp, Instant Start and Rapid Start, 18W through 50 W (4-pin) long compact Rapid Start, or 32 W (4-pin) compact, 24W through 32W U-Bend FBT8 fluorescent lamps from Philips, Osram and GE or equivalent manufacture.
9. The product is compatible with all A.C. magnetic and electronic ballasts including multiple lamp ballasts with one lamp operating in the emergency mode.
10. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
11. Do not use this equipment for other than intended use.
12. Install in accordance with the National Electrical Code and local regulations.
13. Installation and servicing should be performed by qualified personnel.
14. Lighting fixture manufacturers, electricians and end users need to ensure product system compatibility before final installation.
15. The battery is sealed, non-maintenance, and is not replaceable in the field. Please contact manufacturer for information on service. Do not attempt to service the battery please.
16. The rated operating time in the emergency mode with battery is 1-1/2 hours and the recharge time shall not be less than 24 hours.

SAVE THESE INSTRUCTIONS

Warning-This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning, or otherwise touching this product.



CONTAINS NICKEL-CADMIUM
RECHARGEABLE BATTERY.
MUST BE RECYCLED OR
DISPOSED OF PROPERLY.



INSTALLATION INSTRUCTIONS

NOTE: All the branch circuit wiring has to be ready as well as an unswitched source of power before the fixture is installed. Both AC and Emergency Ballasts must be Fed From the same branch circuit.

CAUTION Battery connector has to be opened to prevent high voltage on output leads (Red and Yellow). Wait until all the installation process is completed and AC is supplying power to the emergency ballast before joining the battery connector.

1. AC power has to be off before installation.
2. Choose the right wiring diagram to connect the emergency ballast to AC ballast and lamp.
3. Please ensure the electrical connections conform to the National Electrical Code and local regulations if applicable.
4. Follow the diagram 1&2 to install the emergency ballast in the ballast channel.

DIAGRAM 1

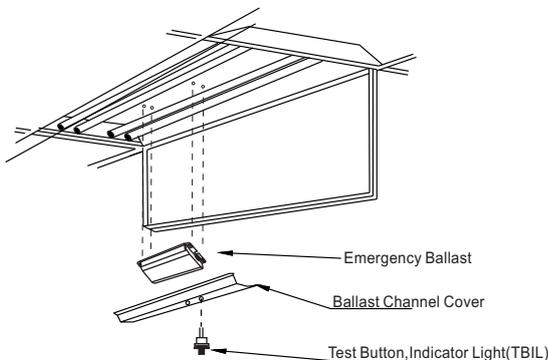
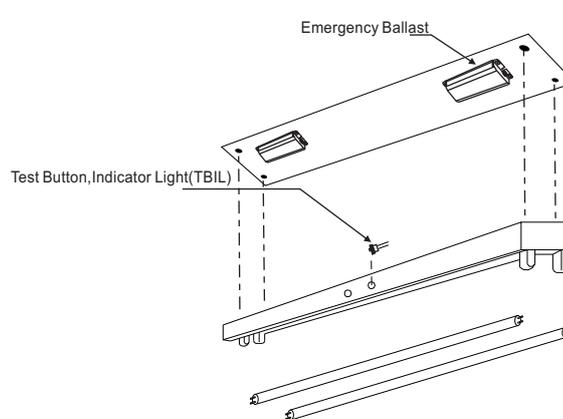
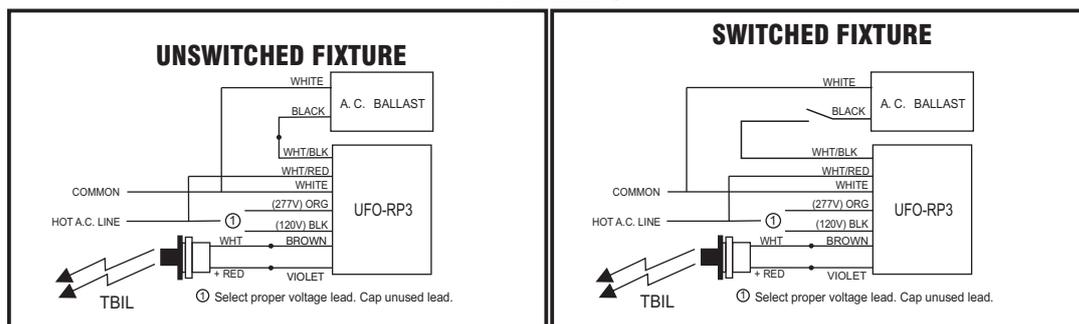


DIAGRAM 2



5. Wall switch has to be connected properly (Check diagram 3), Match the violet and brown leads to connect the TBIL to the emergency ballast (Check diagram 4). The TBIL would be on after the fixture is installed properly.

DIAGRAM 3



6. Please search in readily visible location and stick the label with “CAUTION: This Unit Has More Than One Power Supply Connection Point. To Reduce The Risk Of Electric Shock, Disconnect Both The Branch Circuit-Breakers Or Fuses And Emergency Power Supplies Before Servicing.”
7. Do not join the inverter connector until the fixture is completely installed and AC power is supplied to the emergency ballast.
8. The battery needs to be charged for one hour in order to have short-term testing on the emergency function. Before having a long-term emergency function testing, the battery in emergency ballast has to be charged for 24 hours.

NOTE: MARK AN APPROPRIATE LABEL ON INDICATOR LIGHT AND TEST SWITCH AFTE INSTALLATION.

OPERATION

THE CHARGING INDICATOR LIGHT WOULD BE ON TO INDICATE THE BATTERY IS BEING CHARGED WHEN AC POWER IS APPLIED.

THIS EMERGENCY BALLAST WOULD FUNCTION AND OPERATE ONE OR TWO LAMPS AT LEAST 90 MINUTES WHEN THE AC POWER IS FAILED.

THE EMERGENCY BALLAST WILL OPERATE 14WATT TO 54WATT LAMPS AT LEAST 90 MINUTES.

Illustration 1

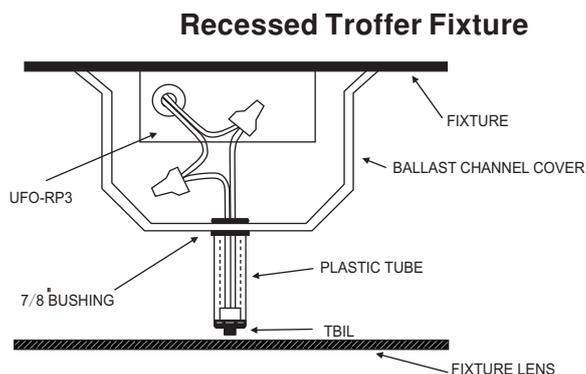
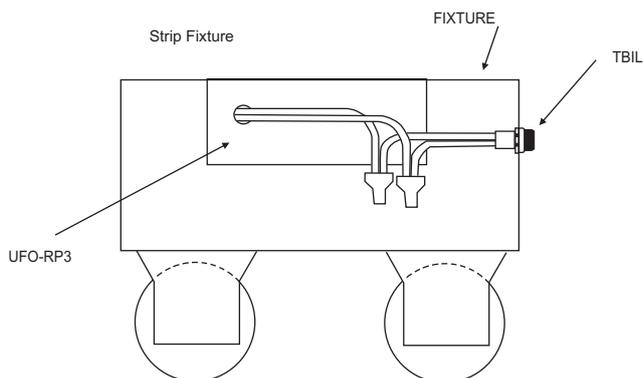


Illustration 2



OBSERVE PROPER POLARITY

NOTE: MARK AN APPROPRIATE LABEL ON INDICATOR LIGHT AND TEST SWITCH AFTER INSTALLATION.

MAINTENANCE

NOTE: SERVICES SHOULD ONLY PERFORMED BY QUALIFIED PERSONNEL.

THE EMERGENCY BALLAST SHOULD BE CHECKED PERIODICALLY TO CONFIRM FUNCTIONING AND THE FOLLOWING SCHEDULE IS RECOMMENDED.

- 1) INSPECT THE CHARGING INDICATOR EVERY MONTH AND CONFIRM THAT IS ILLUMINATED.
- 2) PUSH THE TEST SWITCH FOR 30 SECONDS TO ENSURE THE EMERGENCY BALLAST IS FUNCTIONING. PERFORM THIS TEST EVERY 30 DAYS.
- 3) PERFORMING A LONG-TERM TEST (90 MINUTE BATTERY DISCHARGE) ONCE IN EVERY YEAR. ONE OR TWO LAMPS SHOULD BE OPERATED FOR NO LESS THAN 90 MINUTES.

TABLE 1 (FOR BROWN CONNETTOR)

LAMP DIAMETER	T5 ,T8		LONG COMPACT		COMPACT	U-Bend FBT8	
BASE TYPE	SINGLE OR BIPIN		4 PIN(2G11)		4-PIN	4 PIN	
POWER (LENGTH)	14W-39W	40W-54W	18W-39W	40W-50W	32W	24-32W	
NUMBER OF LAMPS EMER.	1	2	1	2	1	1	2
BROWN CONNECTOR	CLOSE	OPEN	CLOSE	OPEN	CLOSE	CLOSE	OPEN

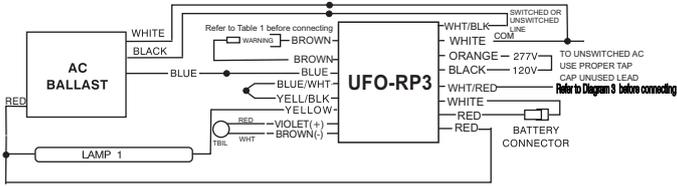
EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM THE SAME BRANCH CIRCUIT

Typical schematics only may be used other ballast, consult the factory wiring diagram

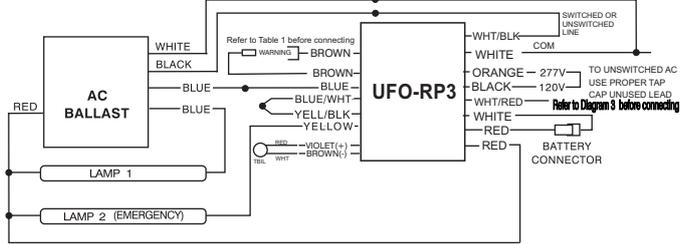
WIRING DIAGRAM

For One Lamp Emergency Operation(14-54W)

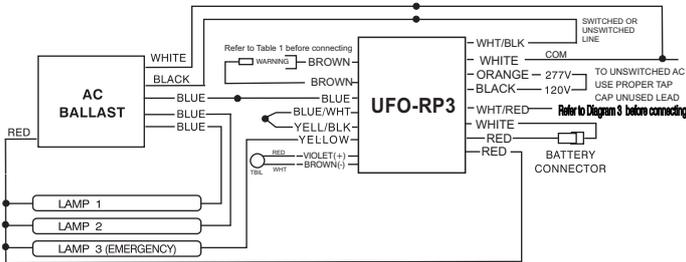
A. ONE (1) LAMP INSTANT START BALLAST



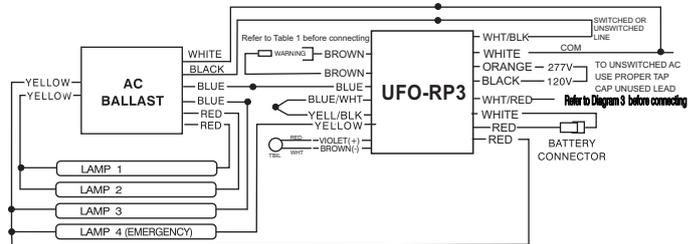
B. TWO (2) LAMP INSTANT START BALLAST



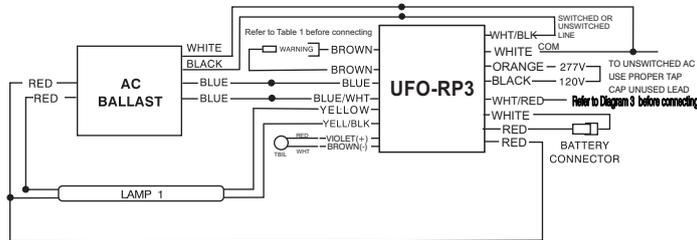
C. THREE (3) LAMP INSTANT START BALLAST



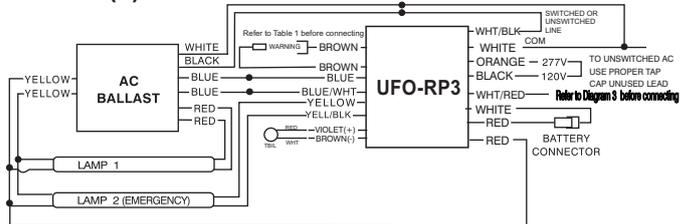
D. FOUR (4) LAMP INSTANT START BALLAST



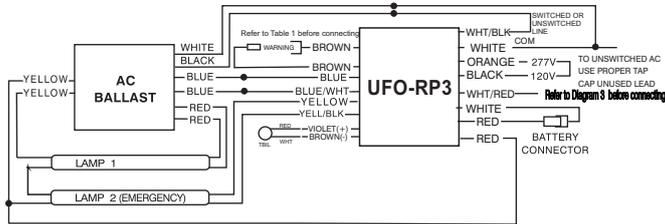
E. ONE (1) LAMP RAPID START BALLAST



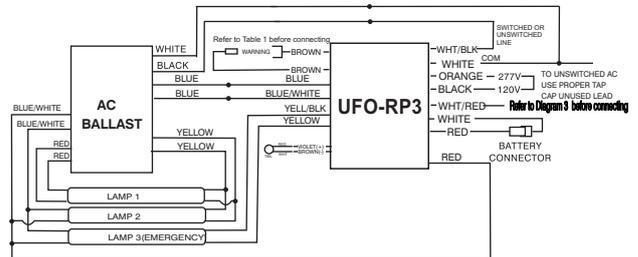
F. TWO (2) LAMP RAPID START BALLAST



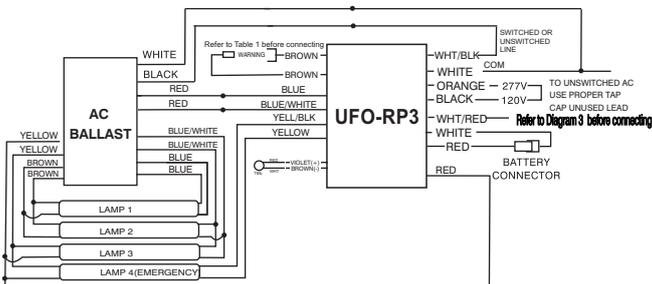
G. TWO (2) LAMP RAPID START BALLAST



H. THREE (3) LAMP RAPID START BALLAST



I. FOUR (4) LAMP RAPID START BALLAST



NOTE: Use the proper input voltage lead, cap unused lead

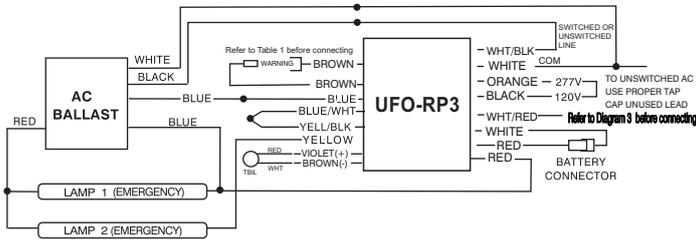
EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM THE SAME BRANCH CIRCUIT

Typical schematics only may be used other ballast, consult the factory wiring diagram

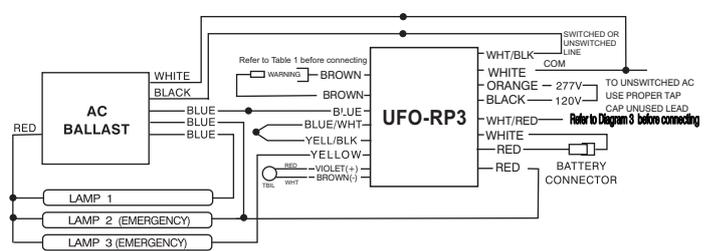
WIRING DIAGRAM

For Two Lamps Emergency Operation (14-54W)

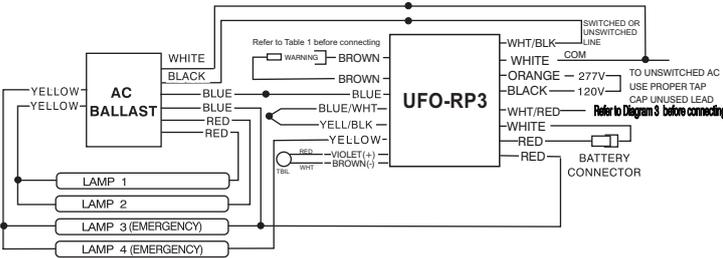
A. TWO (2) LAMP INSTANT START BALLAST



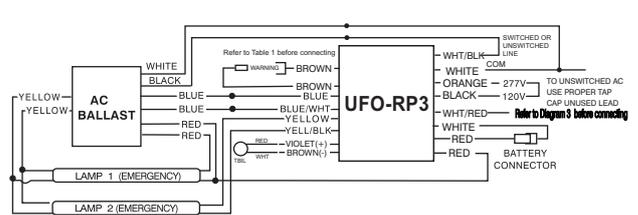
B. THREE (3) LAMP INSTANT START BALLAST



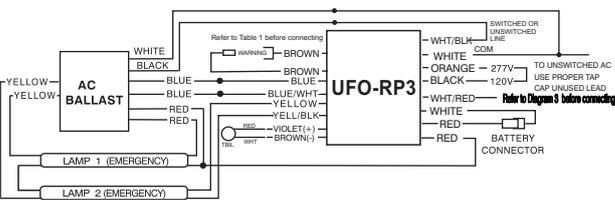
C. FOUR (4) LAMP INSTANT START BALLAST



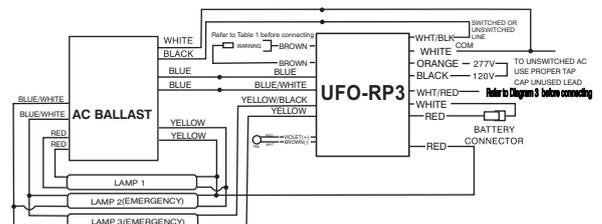
D. TWO (2) LAMP RAPID START BALLAST



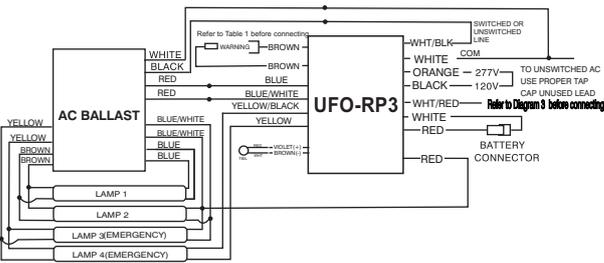
E. TWO (2) LAMP RAPID START BALLAST



F. THREE (3) LAMP RAPID START BALLAST

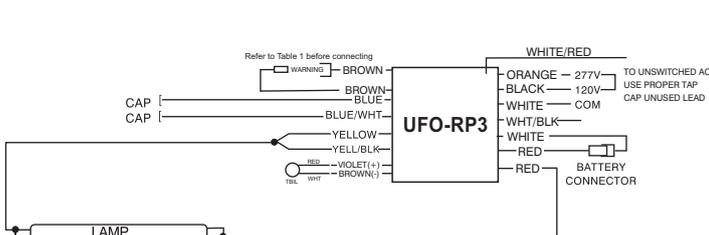


G. FOUR (4) LAMP RAPID START BALLAST



Emergency only Operation

A. ONE (1) LAMP WITHOUT AC BALLAST (14-54W)



B. TWO (2) LAMP WITHOUT BALLAST (14-54W)

