



Catalog Number 72914
UPC Number 60198672914
Description Low Profile Emergency Lighting Ballast
1400 Lumen
T5 & T8 Fixtures



Features

For both normal and emergency Fluorescent lighting.
In the event of a Power Failure, the Ballast Switches to the Emergency Mode and operates one or two of the existing lamps for a minimum of 90 minutes.
Low Profile (Rated for T5 & T8 Ballasts - includes a Time Delay function)
Time Delay Feature for end of life circuitry to prevent AC Ballast from shutting down when transitioning from Emergency to AC
Open circuit insulation feature to protect unit when load is absent
Contains a Ni-Cad Battery, Charger, and Inverter Circuit in a single package.
Can be mounted in the wireway or on top of the fixture.
90 minute minimum emergency power, 24 hour recharge time
Temperature Range: 20°C to 50°C
120/277 Volt
60 Hz
UL listed for factory installation or retrofit applications
UL Listed Damp Location
Standard Ballasts
Low Profile ballasts are rated for use with:
D30T5 & T8 single or bi-pin 1 or 2 lamp
18-50W 4-Pin Long Compact
32W 4-Pin Compact
24-32W U-Bend FBT8 lamps from Phillips, GE & Osram or equal
Compatible with most one, two, three & four lamp electronic
standard energy saving & dimming AC ballasts
Compatible with Instant Start & Rapid Start Ballasts.

General

Housing: Galvanized Steel
Finish: Powder Coat
Lamp Type: 1 or 2 Lamp, 2' - 8' T5, T8
Battery : Ni-Cad
Emergency Power: 90 minutes

Dimension Information

Length: 14.20"
Height: 1.0"
Depth: 2.0"

Specifications

Temperature Rating: 20°C to 50°C
Voltage Rating: 120/277 V
Flammability Rating: N/A
Frequency: 60 Hz
Input Wattage: 3.25-3.78
Wattage Rating: 14-54 Watt Per Lamp
14-39 Watt per Lamp 2 Lamps
Battery: 9.6V, 19.2 Wh, 2500 mA

Packaging

Box Qty 1

Certifications

UL UL 924
cUL Yes
RoHS Yes

INSTALLATION INSTRUCTIONS

PAC0457

**When using this lighting device
the safety precautions should be followed at all time
PLEASE READ CAREFULLY AND FOLLOW ALL
INSTRUCTIONS FOR YOUR OWN SAFETY**

1. This device is designed for indoor use. Do not use outdoors.
2. Prior to installation, battery connector must be open to prevent high voltage from being present on out put leads (red & yellow).
3. 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, 18 W 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.
4. Please ensure the electrical connections conform to the National Electrical Code and local regulations if applicable.
5. To avoid electric shock, please disconnect normal and emergency power supplies, and battery connector of the emergency ballast before servicing.
6. This device is designed for factory or field installation in either the ballast channel, or on top of the indoor fixture, except air handling heated air outlets, wet or hazardous location fixtures. Do not install this device near gas or electric heaters.
7. AC power source of 120VAC or 277VAC is required.
8. 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.
9. Do not use accessory equipment that is not recommended by manufacturer. Failure to do so may cause unsafe conditions. Servicing should only be performed by qualified service personnel.
10. Do not use the product for other purpose that the product is NOT designed for.

PLEASE SAVE THESE INSTRUCTIONS

INSTALL INSTRUCTION

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.
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.
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.

DIAGRAM 1

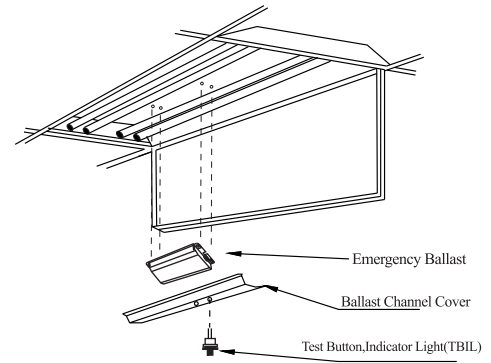


DIAGRAM 2

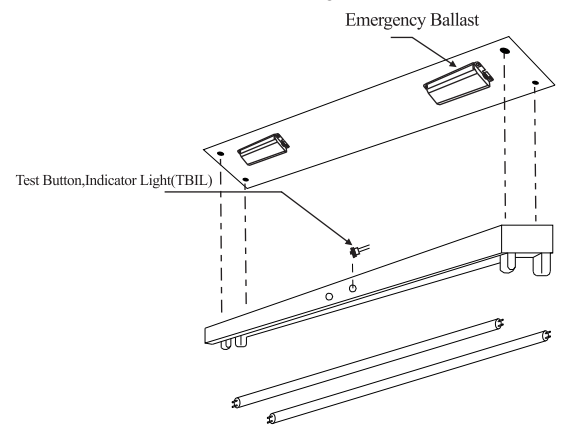
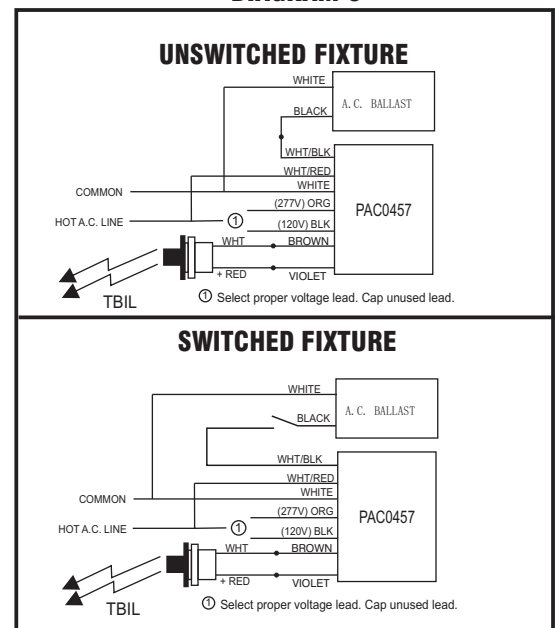


DIAGRAM 3



NOTE: MARK AN APPROPRIATE LABEL ON INDICATOR LIGHT AND TEST SWITCH AFTER 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 90MINUTES.

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.

Illustration 1

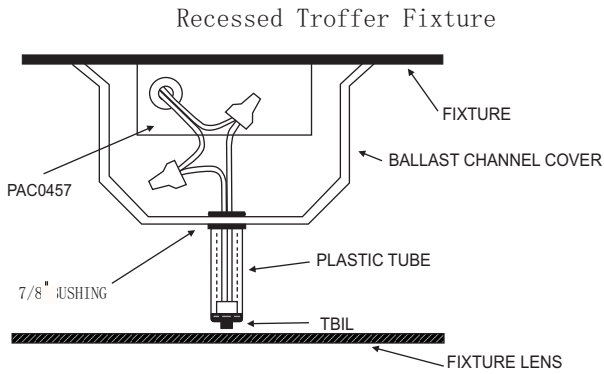
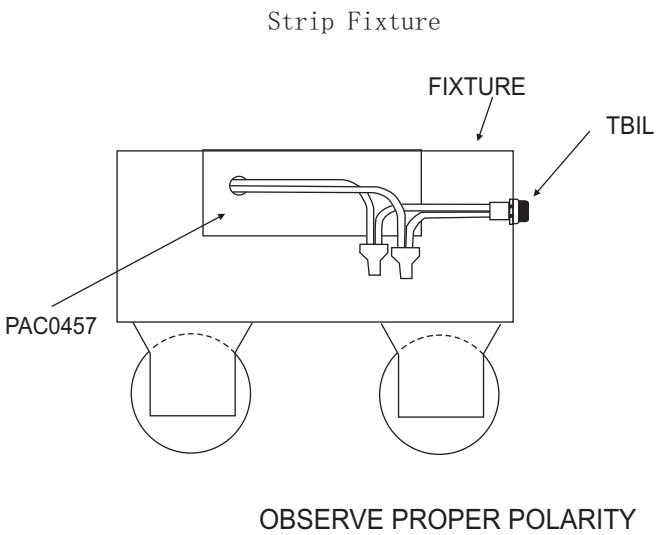


Illustration 2



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

TABLE 1 (FOR BROWN CONNETOR)

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	1	2	1	1	1	2
BROWN CONNECTOR	CLOSE	OPEN	CLOSE	CLOSE	OPEN	CLOSE	CLOSE	CLOSE	OPEN

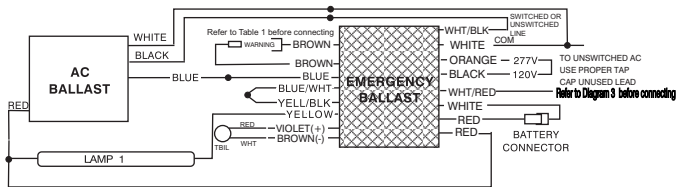
EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM THE SAME BRANCH CIRCUIT

TYPICAL SCHEMATICS ONLY. MAY BE USED WITH OTHER BALLASTS. CONSULT THE FACTORY FOR OTHER WIRING DIAGRAMS.

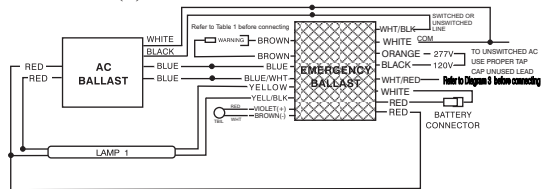
WIRING DIAGRAM

For One Lamp Emergency Operation(14-54W)

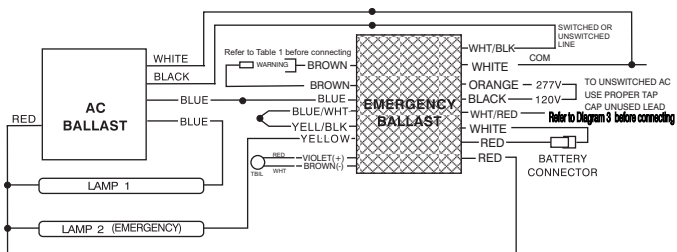
A. ONE (1) LAMP INSTANT START BALLAST



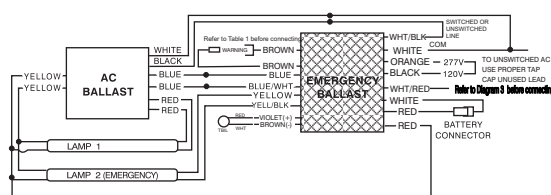
E. ONE (1) LAMP RAPID START BALLAST



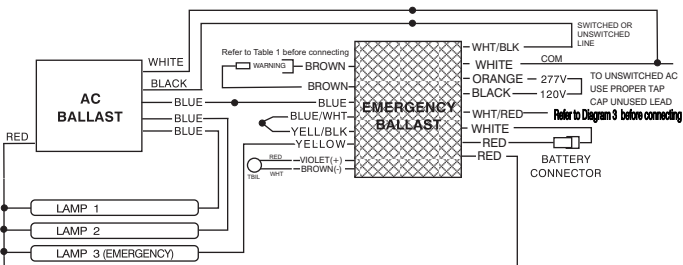
B. TWO (2) LAMP INSTANT START BALLAST



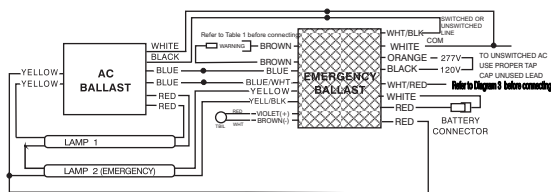
F. TWO (2) LAMP RAPID START BALLAST



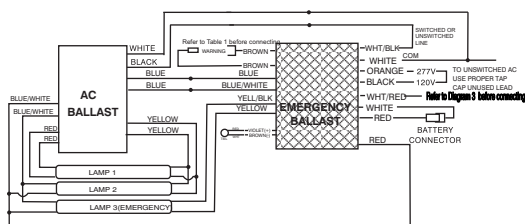
C. THREE (3) LAMP INSTANT START BALLAST



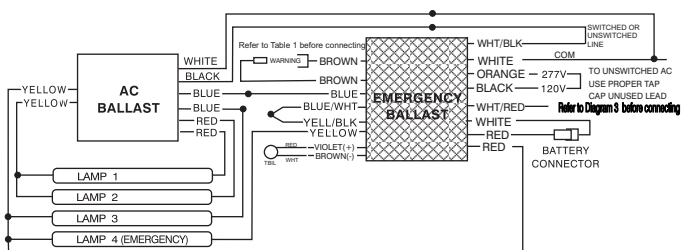
G. TWO (2) LAMP RAPID START BALLAST



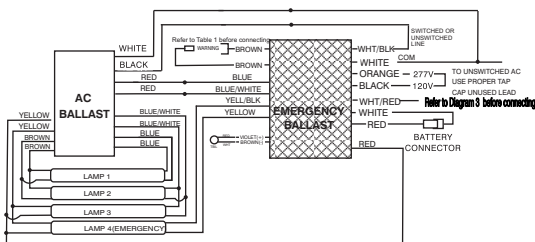
H. THREE (3) LAMP RAPID START BALLAST



D. FOUR (4) LAMP INSTANT START BALLAST



I. FOUR (4) LAMP RAPID START BALLAST



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

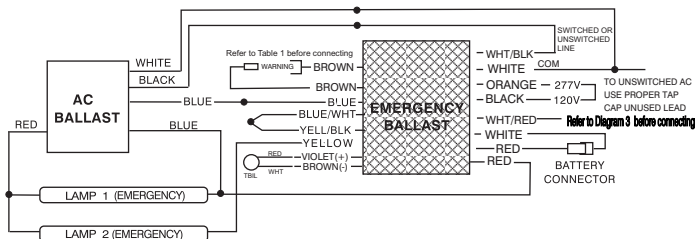
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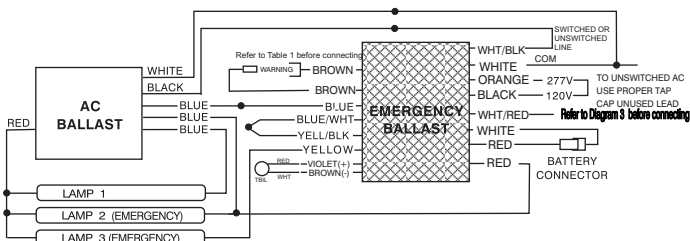
WIRING DIAGRAM

For Two Lamps Emergency Operation (14-54W)

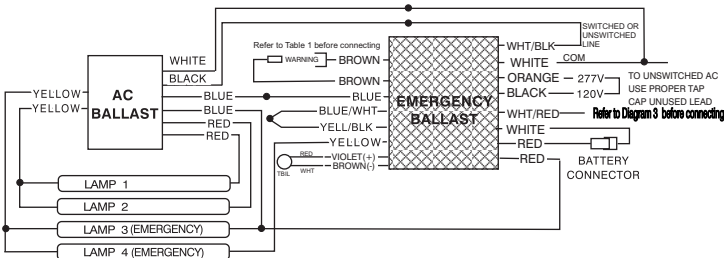
A. TWO (2) LAMP INSTANT START BALLAST



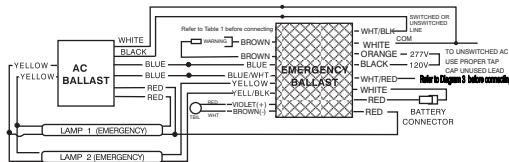
B. THREE (3) LAMP INSTANT START BALLAST



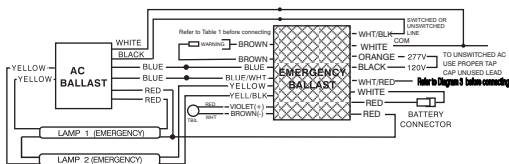
C. FOUR (4) LAMP INSTANT START BALLAST



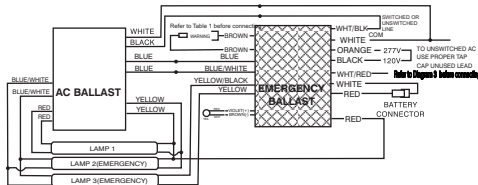
D. TWO (2) LAMP RAPID START BALLAST



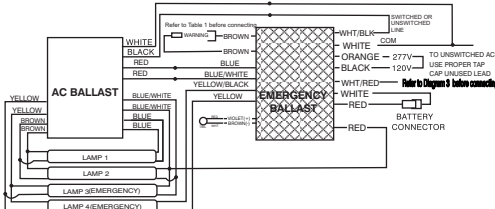
E. TWO (2) LAMP RAPID START BALLAST



F. THREE (3) LAMP RAPID START BALLAST

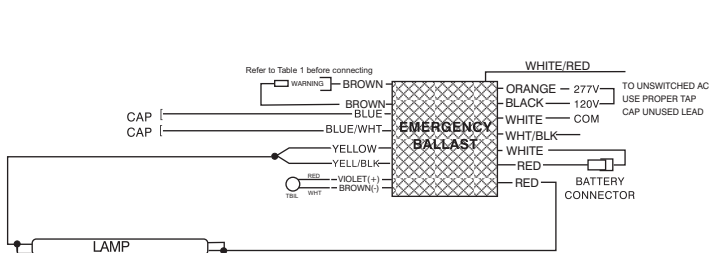


G. FOUR (4) LAMP RAPID START BALLAST



Emergency only Operation

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



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

