

INSTALLATION INSTRUCTIONS

EMERGENCY FLUORESCENT BATTERY PACK

Model EI500

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- ⚠ WARNING:** FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE –
- For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or additional information is required, contact Lithonia Lighting or your local Lithonia Lighting distributor.
- ⚠ WARNING:** RISK OF ELECTRIC SHOCK – NEVER CONNECT TO, DISCONNECT FROM OR SERVICE WHILE EQUIPMENT IS ENERGIZED.
- ⚠ WARNING:** RISK OF FIRE – Lamps are hot. Keep combustibles material away from hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.
- ⚠ WARNING:** DO NOT USE ABRASIVE MATERIALS, OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE, WHICH MAY RESULT IN PERSONAL INJURY.
- ⚠ WARNING:** RISK OF PERSONAL INJURY – This product may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing and maintaining this product. (WHERE APPLICABLE)
- Before wiring to power supply, turn off electricity at fuse or circuit breaker.
 - Disconnect A.C. power and unplug battery before servicing.
 - Consult your local building code for approved wiring and installation.
 - Do not use outdoors.
 - Do not let power supply cord touch hot surfaces.
 - Do not mount near gas or electric heater.
 - Do not install a damaged fixture.
 - This product must be installed in accordance with the applicable installation codes and ordinances.
 - Proper grounding is required to ensure personal safety. (WHERE APPLICABLE)
 - All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction and operation of the product and the hazards involved.
 - Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
 - The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
 - Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS

FIELD INSTALLABLE FLUORESCENT BATTERY PACK IS UNIVERSALLY COMPATIBLE WITH THE BALLASTS AND OPERATING LAMP(S) IN THE LAMP COMPATIBILITY TABLE (PAGE 3).

CAUTION:

A potential electrical shock hazard exists even when AC power supply has been turned off. Disconnect Battery connector before servicing fixture. Do not remove the wire harness connector when AC power is present.

IMPORTANT NOTES:

Make sure that branch circuit feeds are derived from a common phase for both normal lighting ballast and Battery Pack prior to installation.

Notice: To ensure proper grounding, mount unit only with metal cutting screws (not provided).

The Battery Pack can be used with a switched or unswitched (night) circuit. When used with a switched fixture it is important to note that the power to the Battery Pack must be provided by an unswitched circuit.

APPROXIMATE WORKING VOLTAGE
Battery Pack input: 120 OR 277V AC



LITHONIA LIGHTING

EMERGENCY LIGHTING SYSTEMS
CONYERS, GEORGIA 30012, TELEPHONE 770 987-4200, FAX 770 981-8141
A Division of Acuity Lighting Group, Inc.

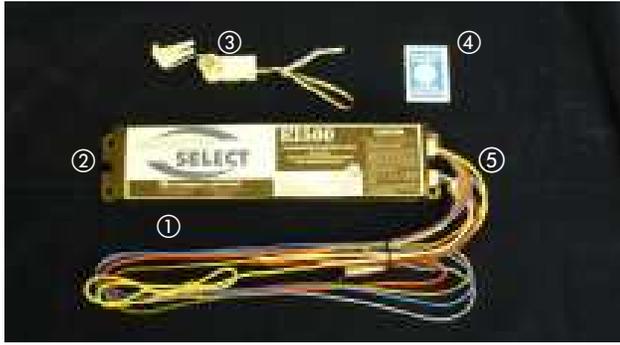


FIGURE 1

PARTS DESCRIPTION

- ① HOUSING
- ② MOUNTING HOLES or SLOTS
- ③ TEST SWITCH & PILOT LIGHT
- ④ CHARGE INDICATOR LABEL
- ⑤ BATTERY CONNECTOR

INSTALLATION

1. Turn off AC Power. Inspect Battery Pack and make sure the Battery Connector ⑤ is disconnected. If still connected, disconnect before installation.
2. Position unit in fixture wireway and fasten securely through keyed slots or Mounting Holes or Slots ② . If necessary, drill holes and mount with metal cutting screws (not provided).
3. Refer to appropriate wiring diagram. Connect unit to ballast and lamp(s) and A.C. power leads as indicated in appropriate wiring diagram.

TEST SWITCH/PILOT LIGHT (TS/PL) INSTALLATION

CAUTION:

Do not locate Test Switch/Pilot Light ③ or route cable within 1" of fixture lamps.

NOTE: If pilot light is not visible outside the fixture lens, there is a charge indicator label ④ located in pre-pack that should be placed on the flat side of the lens directly below the test switch and pilot light to identify it as an emergency fixture.

1. Drill or punch one 1/2" holes in fixture wall or wireway cover.
2. Insert one side of test switch/pilot light c into the hold from the back and snap in the other side. Slide mounting clip firmly onto mounting post to secure test switch assembly. Mark the test switch location with the charge indicator label.
3. Connect test switch and pilot light ③ leads to violet and grey leads on inverter. See wiring diagram for proper connections.
4. Apply continuous power to Battery Pack.
5. Connect the battery connector ⑤ (brown leads)

INSPECTION AND MAINTENANCE

NOTE: Emergency lighting systems should be tested as often as local codes require, or at least quarterly to insure that all components are operational. Perform all test required by local codes.

1. Check equipment rating to be sure that fixture will receive proper line voltage.
2. Be sure pilot light is on. If pilot light does not operate, check to see that:
 - A. Pilot Light Connector and test switch ③ are connected.
 - B. AC power is on.
 - C. Voltage on branch circuit to Battery Pack is rated at line voltage (120V or 277V). If no line voltage can be measured, locate problem in branch circuit and correct.
3. Press test switch. The pilot light ③ should be off. One fluorescent lamp should be operating at a reduced light output.

NOTE: Allow battery to charge 24 hours before initial testing and 72 hours to fully charge battery.

NOTE: Battery packs are not field serviceable units.

CAUTION:
Damage to battery will occur if Battery connection is made for a prolonged period of time without AC power provided.

CAUTION:
Connecting the Battery Connector ⑤ also connects the battery to the inverter circuit which can result in high voltage being present between the output leads.

WIRING DIAGRAMS

IMPORTANT NOTES: Before connecting TS/PL connector or wiring unit to fixture, refer to **INSTALLATION PROCEDURE** and **IMPORTANT SAFEGUARDS** for safety information and mounting procedures.

ONE LAMP RAPID START BALLAST

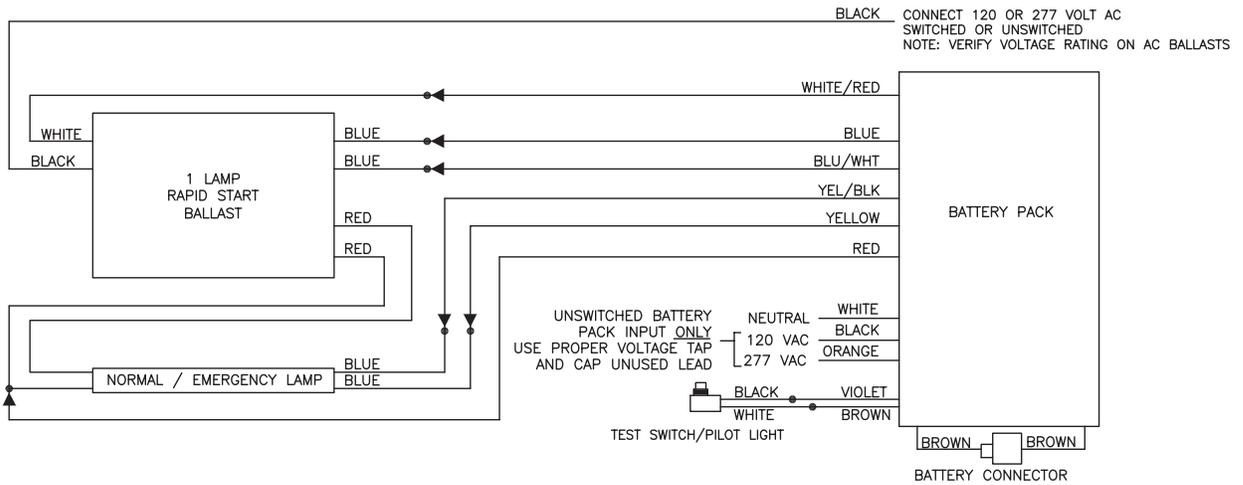


FIGURE A

TWO LAMP RAPID START BALLAST

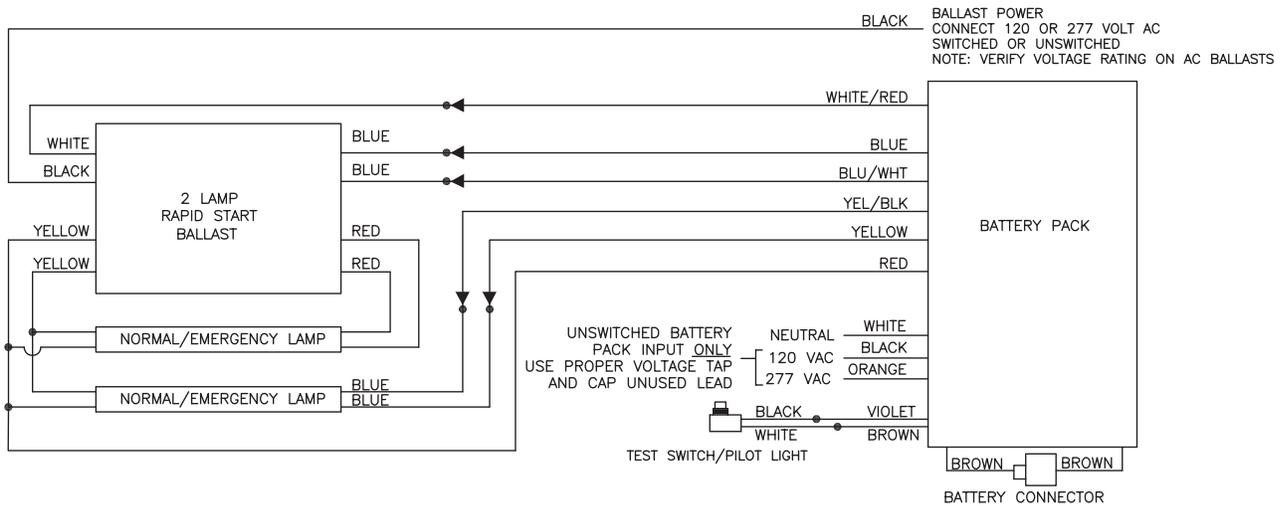


FIGURE B

ONE LAMP INSTANT START SLIMLINE BALLAST

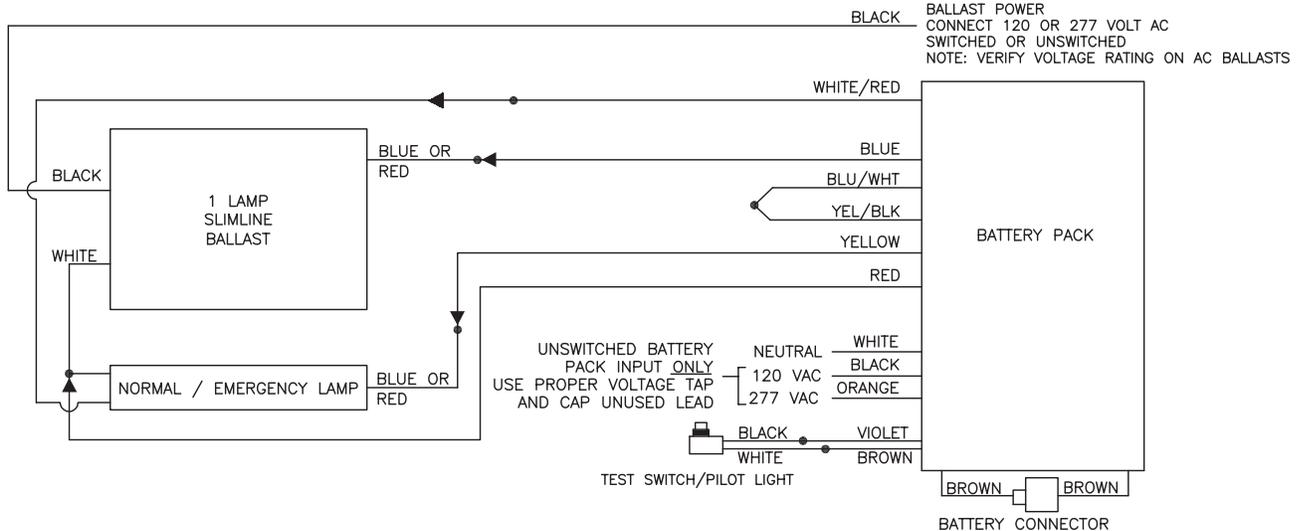


FIGURE C

TWO LAMP LEAD/LAG INSTANT START SLIMLINE BALLAST

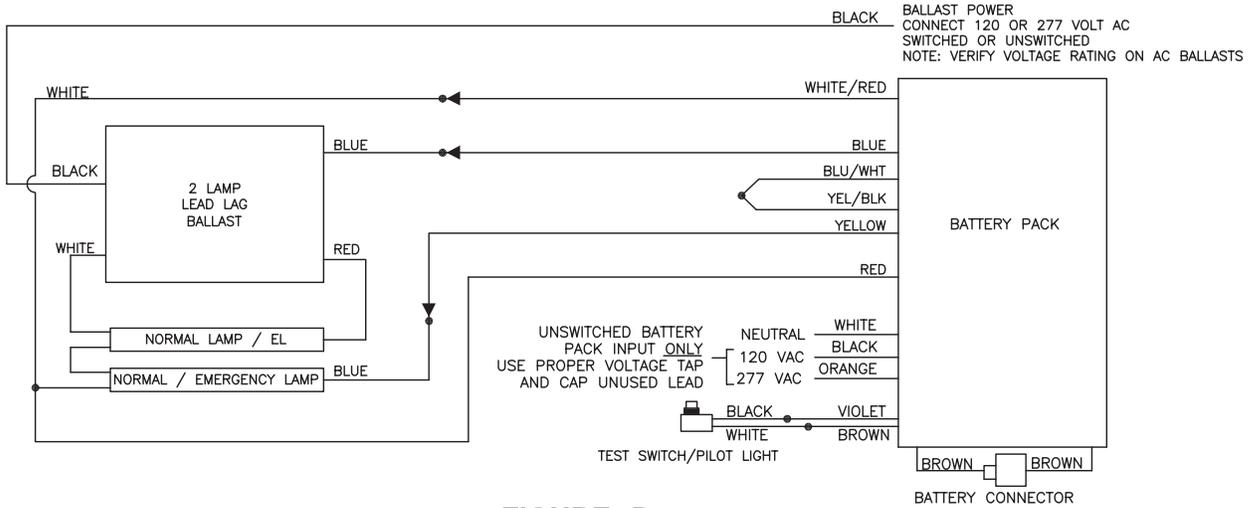


FIGURE D

TWO LAMP SERIES LEAD BALLAST

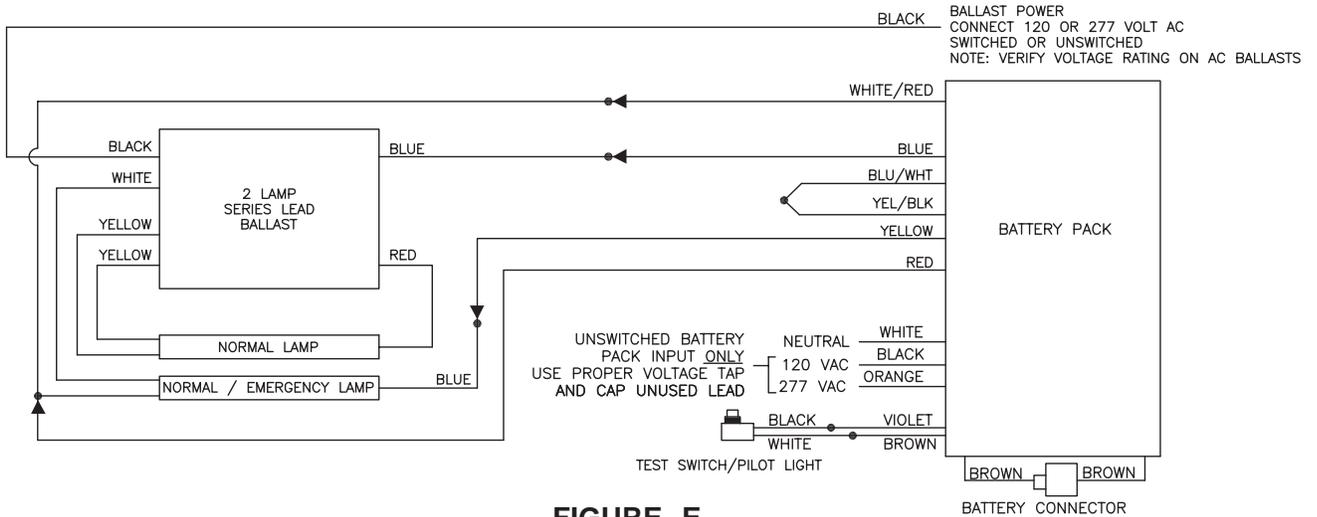


FIGURE E

TWO LAMP INSTANT START BALLAST

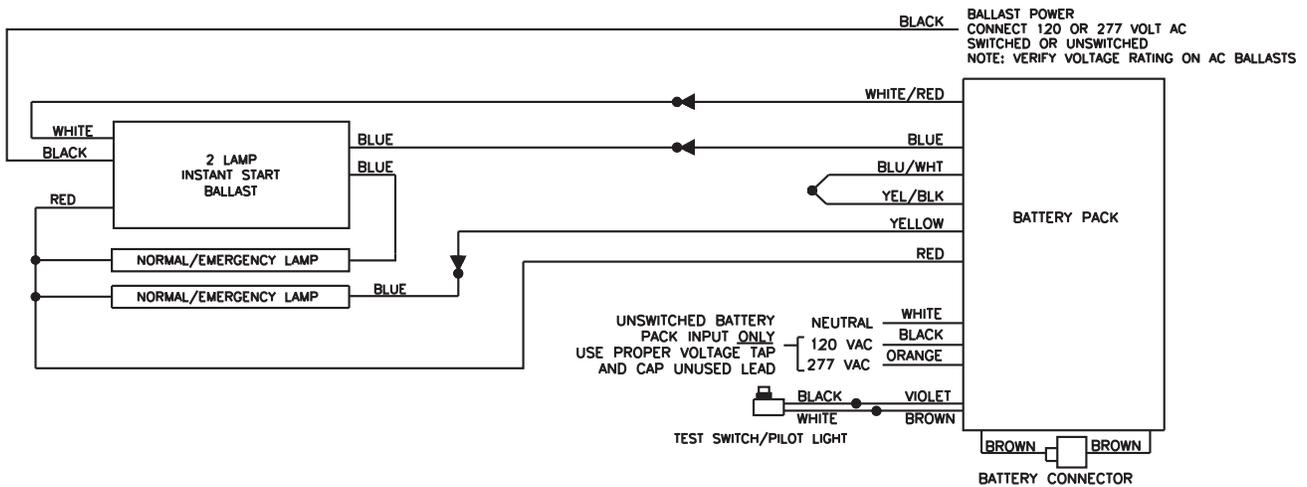


FIGURE F

THREE LAMP RAPID START BALLAST

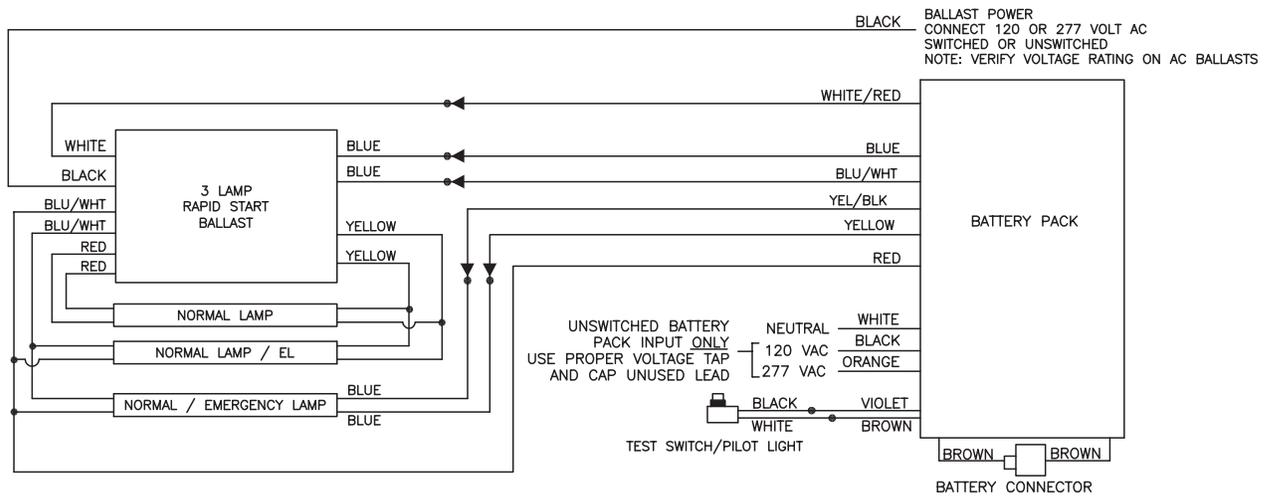


FIGURE G

THREE LAMP INSTANT START BALLAST

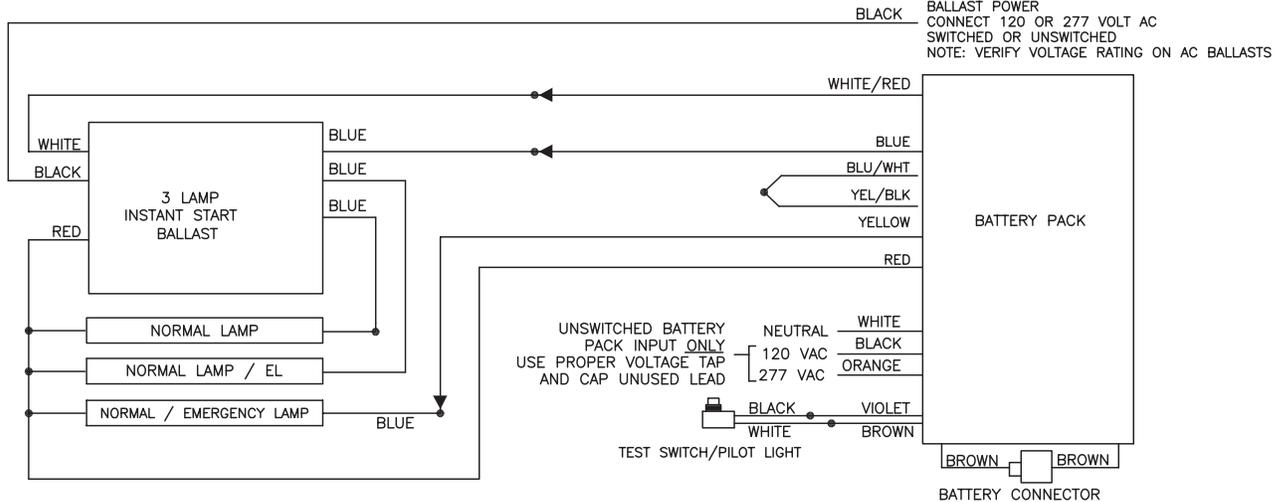


FIGURE H

ONE LAMP WITHOUT AC BALLAST

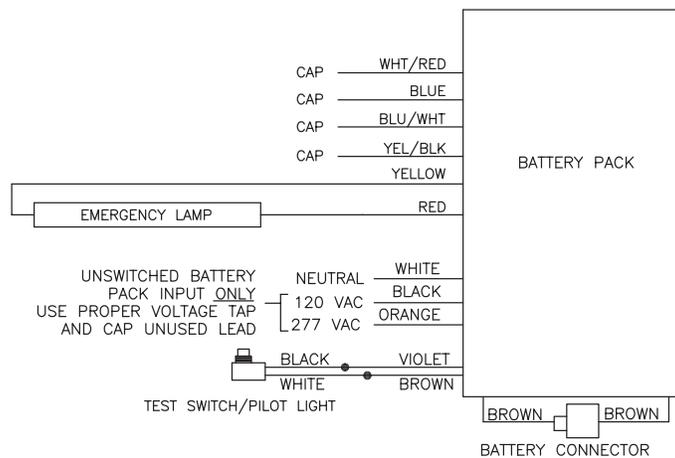


FIGURE I

ONE LAMP INSTANT START BALLAST

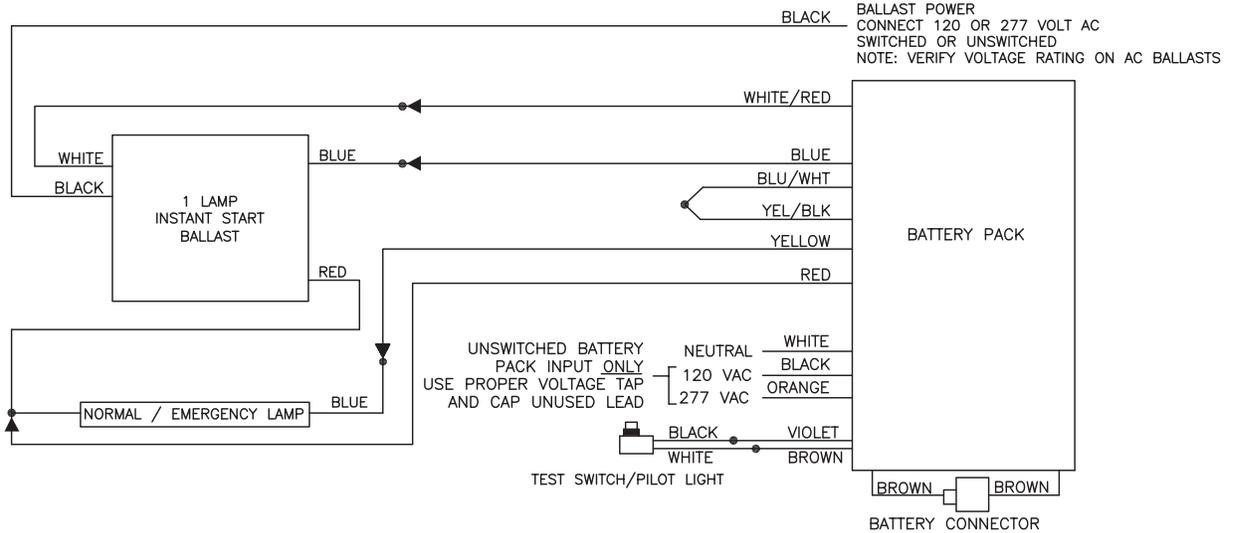


FIGURE J

ONE LAMP CIRCLINE BALLAST

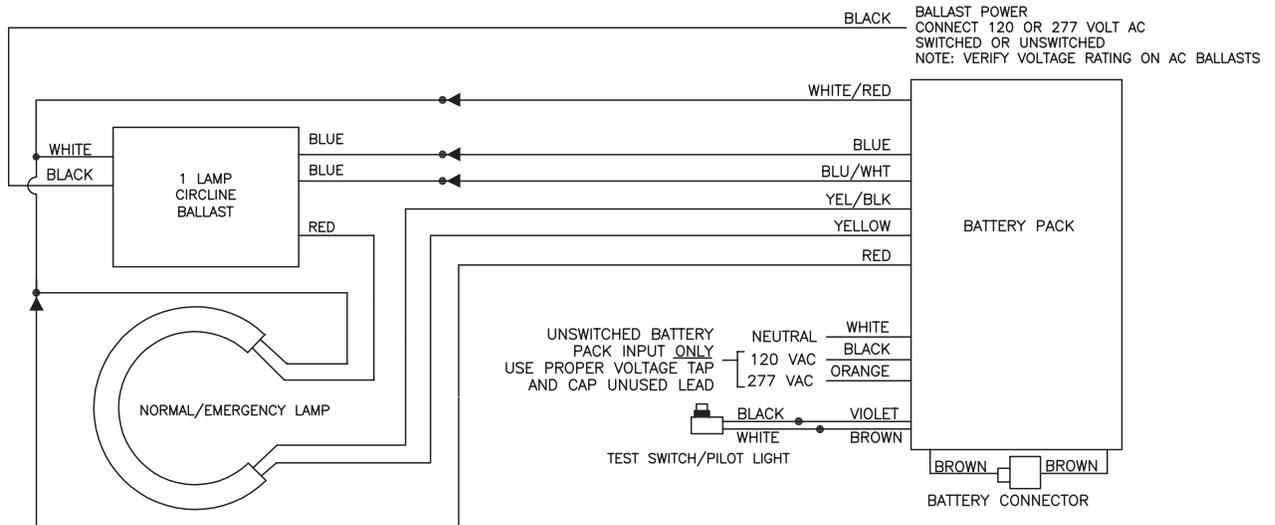


FIGURE K

FOUR LAMP INSTANT START ELECTRONIC BALLAST

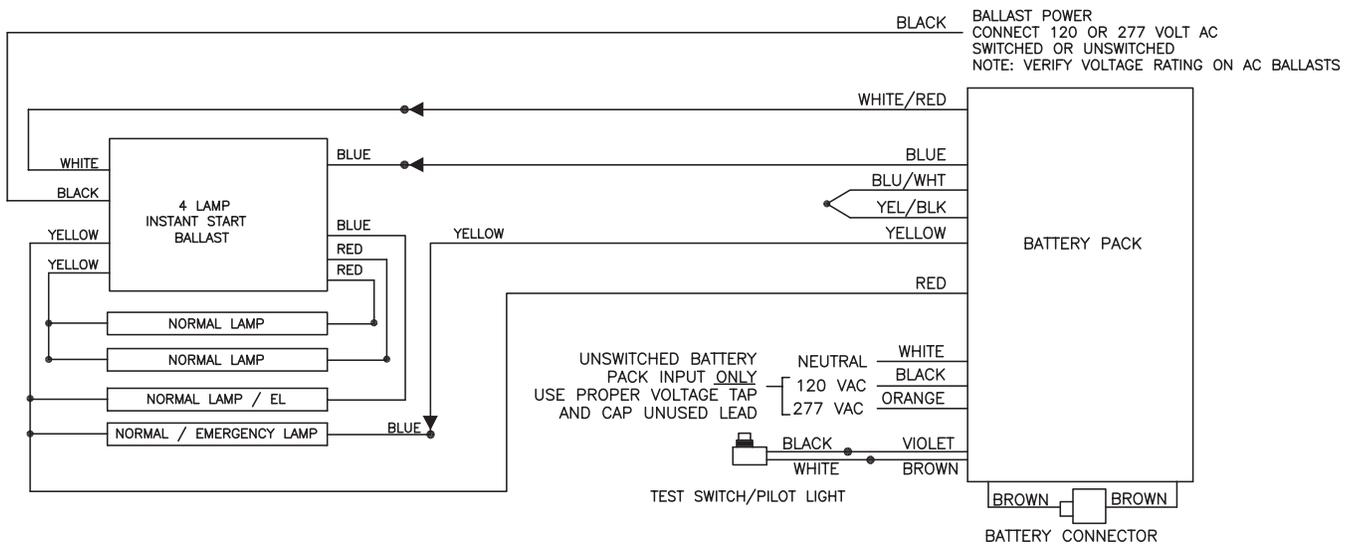


FIGURE L

TWO LAMP SERIES SEQUENCE INSTANT START BALLAST

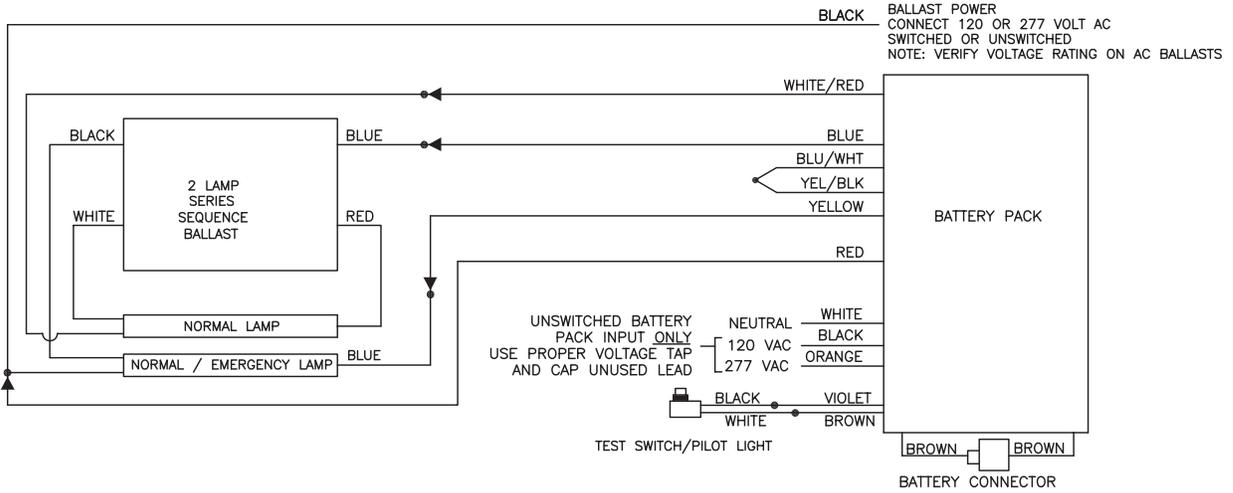


FIGURE M

FOUR LAMP RAPID START BALLAST

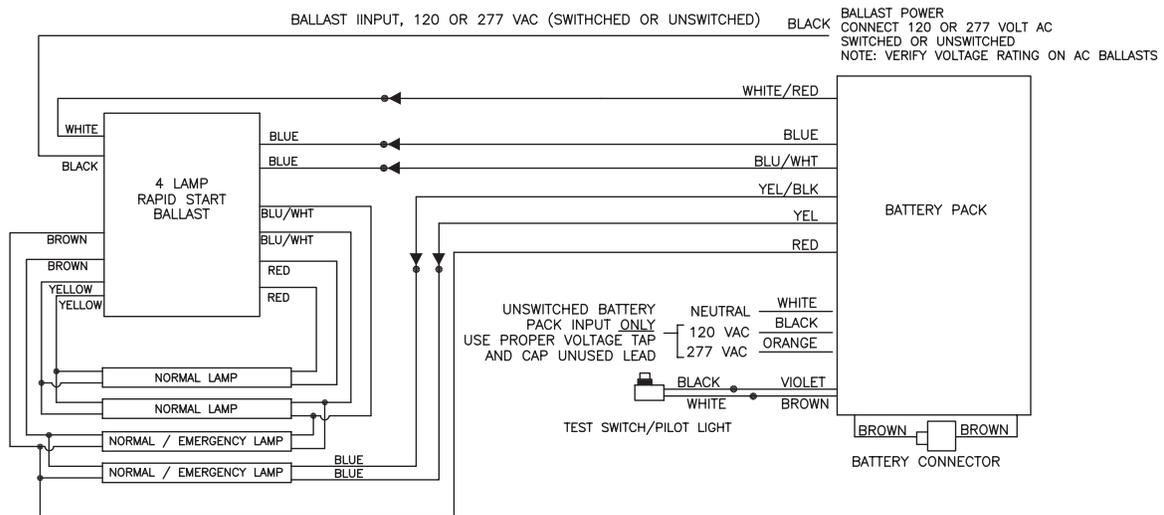


FIGURE N

ONE-YEAR WARRANTY

This fixture is guaranteed to perform for a period of one year from date of invoice. Our guarantee covers any defect in manufacturing, provided the defect develops under normal and proper use. This liability does not include lamps, and extends only to repair or replacement of the defective part and labor charges for correction of the defect by repair or replacement. These labor charges will be paid by Lithonia Lighting only with prior written authority has been granted by our Post Sales department.



EMERGENCY LIGHTING SYSTEMS
CONYERS, GEORGIA 30012, TELEPHONE 770 987-4200, FAX 770 981-8141
A Division of Acuity Lighting Group, Inc.

Part no. **EMCSA00742**
REV C

