

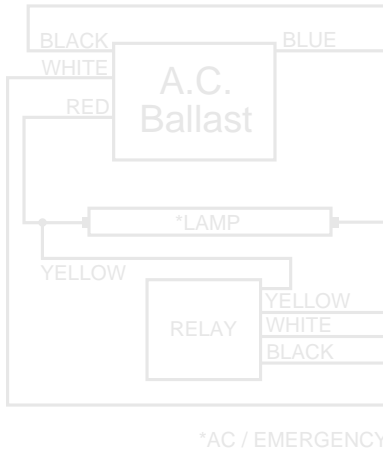
Thomas & Betts

**EMERGENCY BALLAST
WIRING GUIDE**

rev. 103103



HOW TO USE THE EMERGENCY BALLAST WIRING GUIDE



This Document has been customized to contain a wide library of individual diagrams for various installation applications. If a diagram cannot be found within this selection, consult Customer Service.

The diagrams are categorized primarily according to the number of lamps in the fixture, then followed by the ballast type. Sometimes a specific lamp type is listed (i.e: biax, circline, etc.). If a lamp type is not listed, the diagram shows a typical straight tube lamp configuration. In some cases, a specific ballast manufacturer is listed for AC ballasts that have unique wiring arrangements.

Diagrams for specific situations can be located within this PDF file by using the following methods:

1) USING THE NAVIGATION WINDOW

Use the Navigation window and select the Emergency Ballast for which the diagram is needed, then scroll through the list of applications to find the diagram(s) that meet the necessary criteria by clicking on the “plus” sign next to the Unit Model. (Many of the diagrams are bookmarked with identical descriptions. Examine the diagram for details as to whether or not it applies to your situation.)

NOTE: The order in which the pages are bookmarked is not indicative of the actual page order, therefore, continuing to the next page after a “Two Lamp Ballast” diagram may not necessarily take you to another “Two Lamp Ballast” diagram. To aid in locating specific diagrams, each has been bookmarked and categorized in the navigation window.

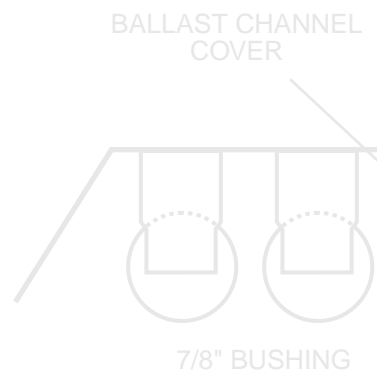
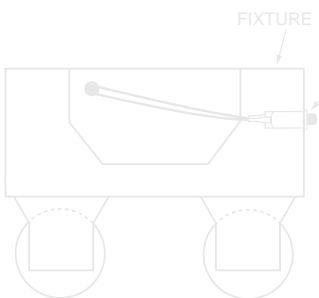
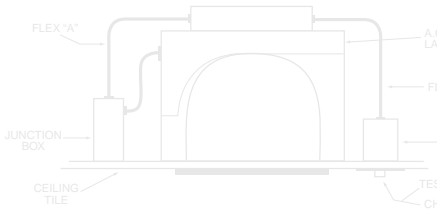
2) USING THE FIND COMMAND

Some diagrams feature a Model List for reference. If you know the actual model number of the AC ballast that the emergency unit is being wired to, you may use the “FIND” tool in the toolbar (Denoted by the binocular icon) to search the diagrams for that particular model. FIND commands may or may not be successful, since not all ballasts models are listed within this file.

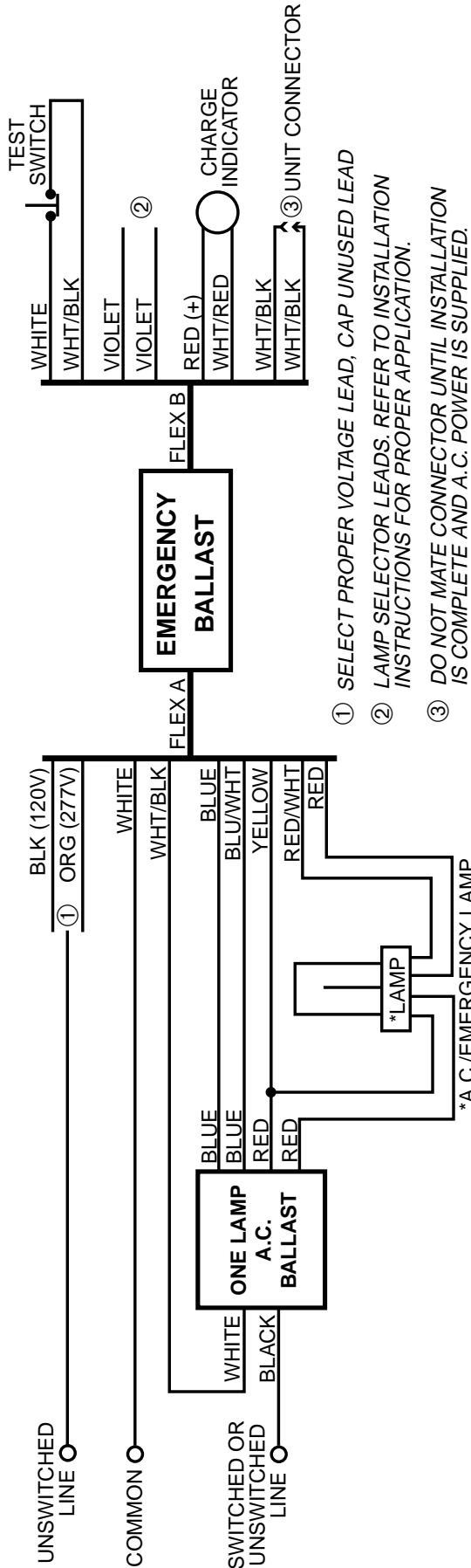
When using the FIND command, it may be helpful to search for only the first few letters or numbers of the model number (i.e. “RCN” or “ECO”) due to the nature of how the reference lists are compiled. Include any hyphens or slashes that may appear in the model number when using the FIND command.

This Guide is by no means an exhaustive record of all AC Ballast/Emergency Unit combinations. If a search using the FIND command or Navigation window is not successful, contact Customer Service for further assistance.

You may request an updated Wiring Diagram Guide at anytime. Please consult Customer Service to find out if a later version with any additions and/or corrections is available.



ONE LAMP RAPID START BALLAST



- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS, REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

EBT

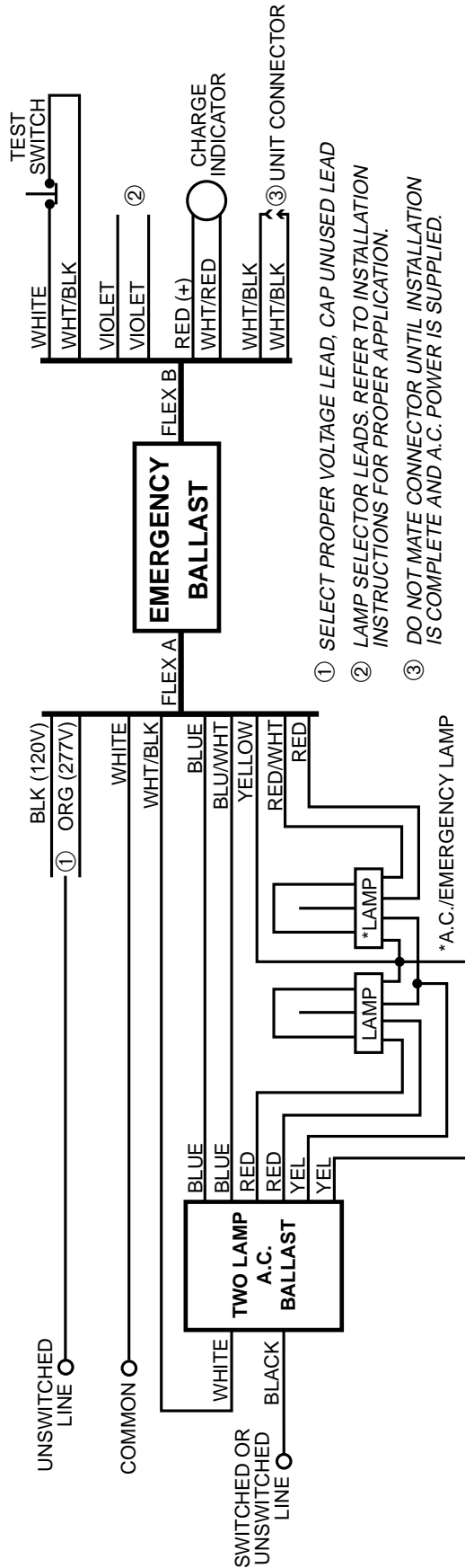
- SSB6-120/277-1/13 LH
- SSB6-120/277-1/18 LH
- SSB6-120/277-1/26 LH

MOTOROLA

- M1-CF-13-S-120/277
- M1-CF-18-S-120/277
- M1-CF-26-S-120/277
- M1-CF-32-S-120/277
- M1-CF-42-S-120/277

ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
 *DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

TWO LAMP RAPID START BALLAST WITH ONE LAMP EMERGENCY OPERATION



ADVANCE

REL/VEL-2Q13-RH-TP
REL/VEL-2Q18-RH-TP
REL/VEL-2Q26-RH-TP

EBT

SSB6-120/277-2/13 LH
SSB6-120/277-2/18 LH
SSB6-120/277-2/26 LH

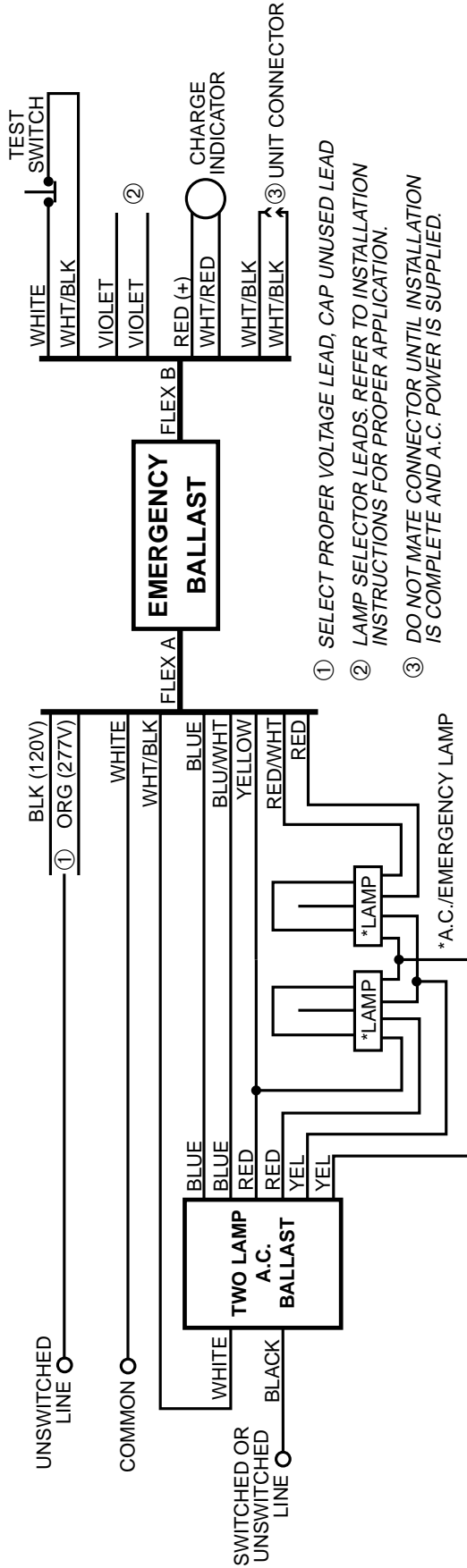
MOTOROLA

M2-CF-13-S-120/277
M2-CF-18-S-120/277
M2-CF-26-S-120/277

ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

2LR5B_2LEO42

TWO LAMP RAPID START BALLAST WITH TWO LAMP EMERGENCY OPERATION



- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS, REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

ADVANCE

REL/VEL-2Q13-RH-TP
REL/VEL-2Q18-RH-TP
REL/VEL-2Q26-RH-TP

EBT

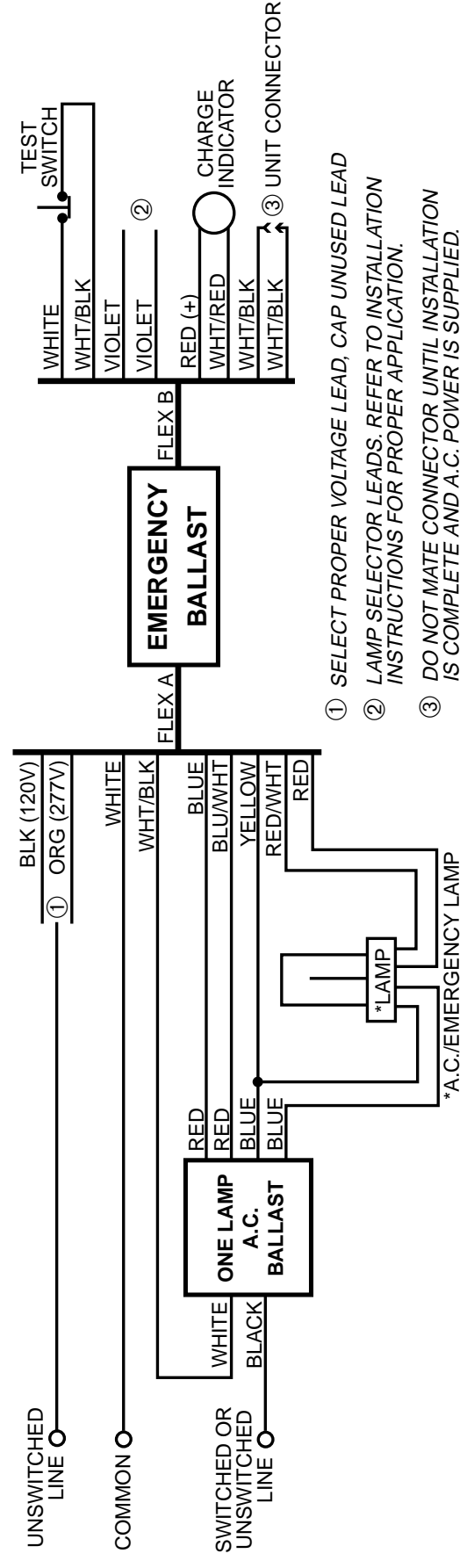
SSB6-120/277-2/13 LH
SSB6-120/277-2/18 LH
SSB6-120/277-2/26 LH

MOTOROLA

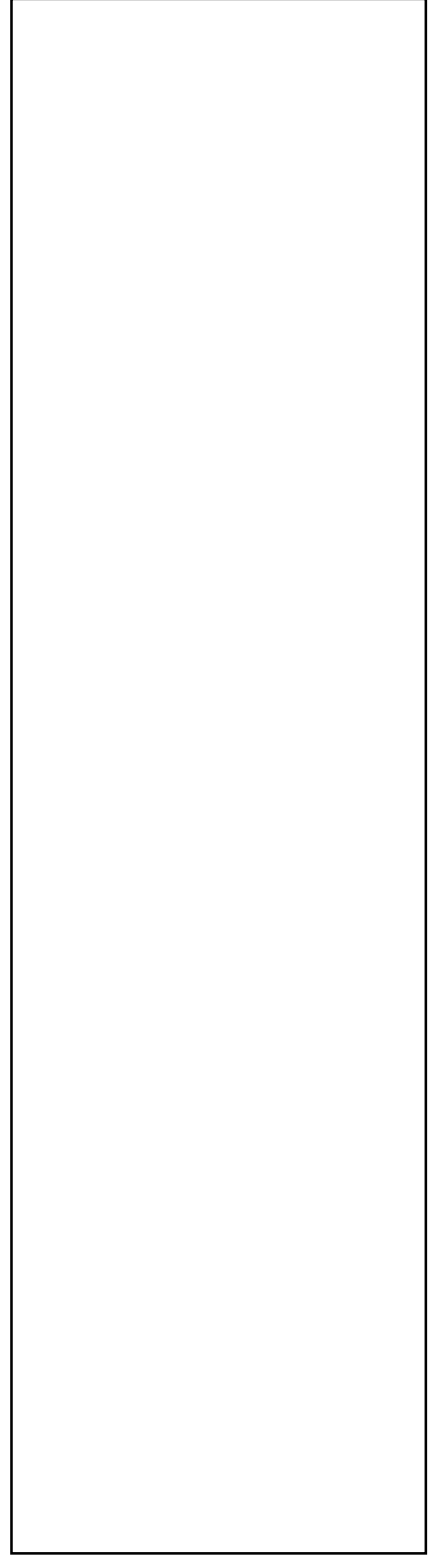
M2-CF-13-S-120/277
M2-CF-18-S-120/277
M2-CF-26-S-120/277

ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

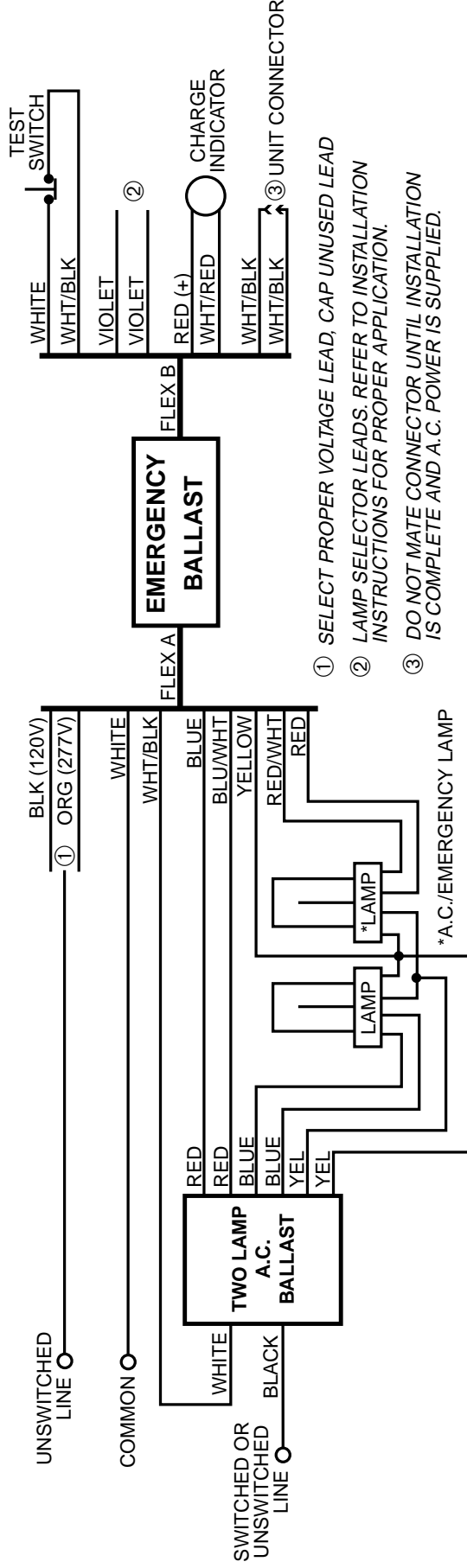
ONE LAMP RAPID START BALLAST



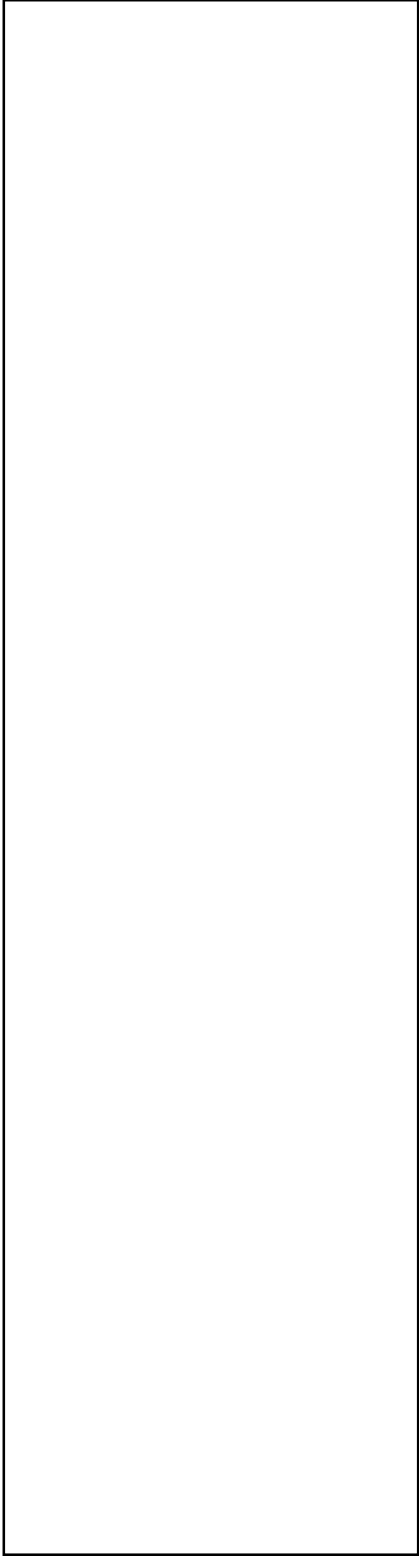
- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.



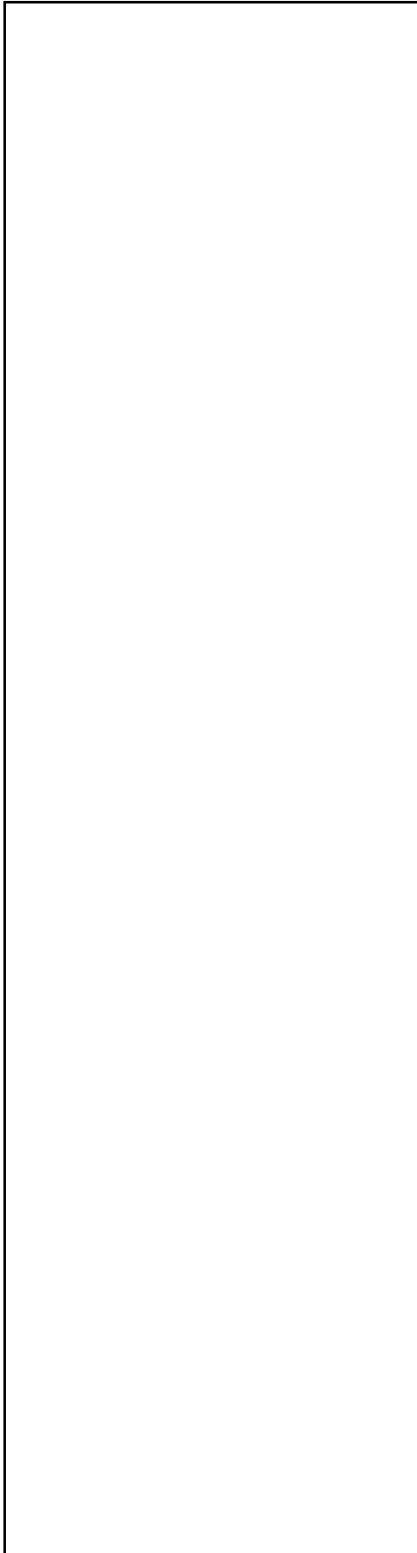
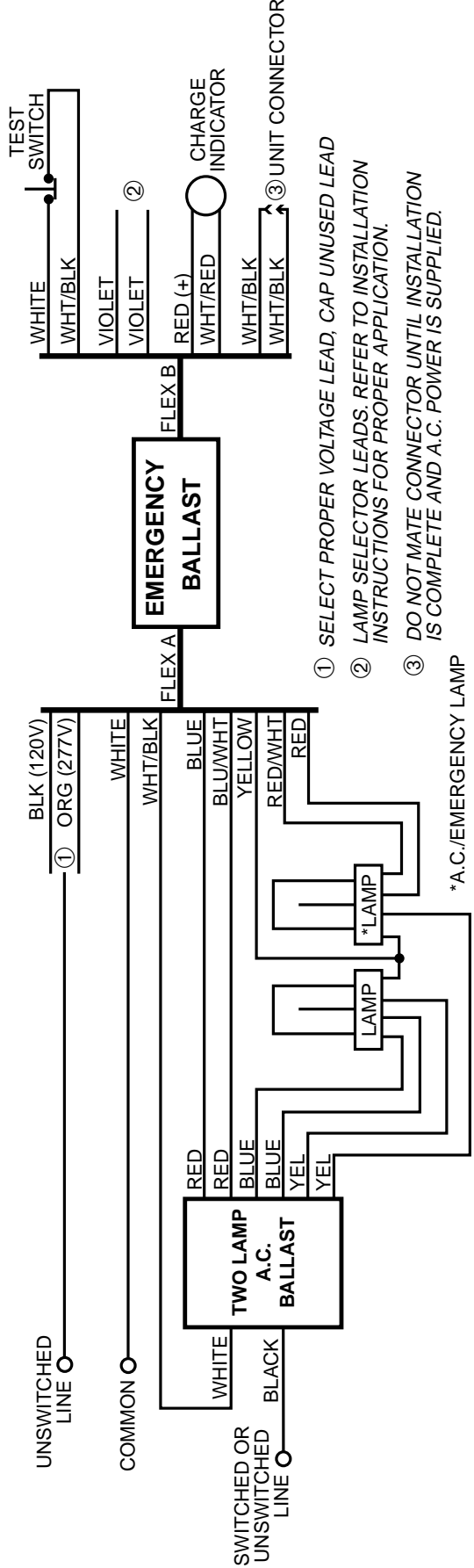
TWO LAMP RAPID START BALLAST WITH MICROPROCESSOR ONE LAMP EMERGENCY OPERATION



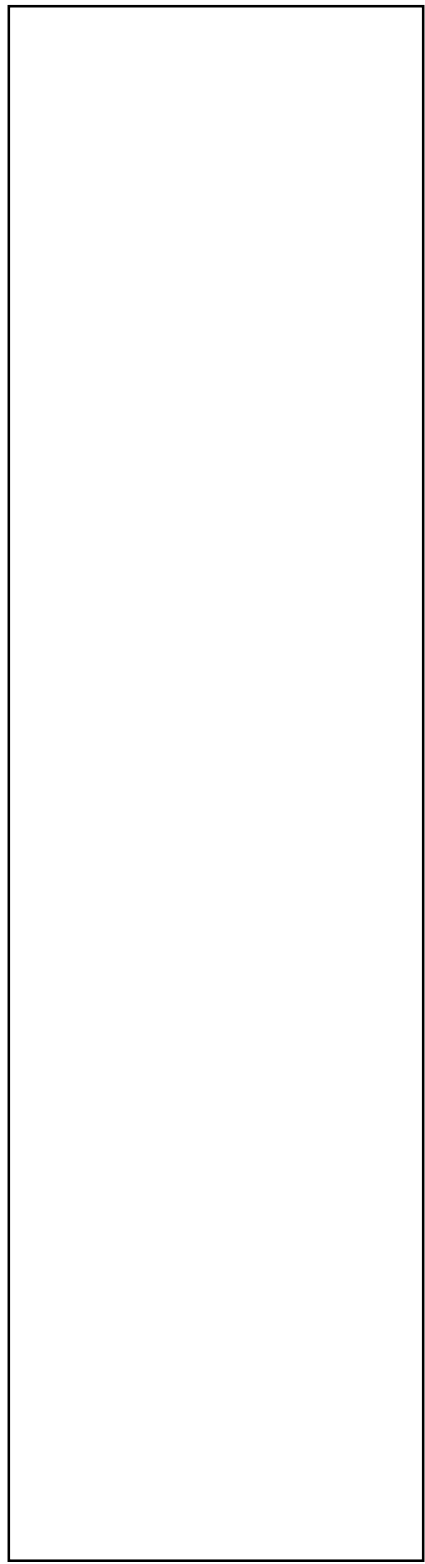
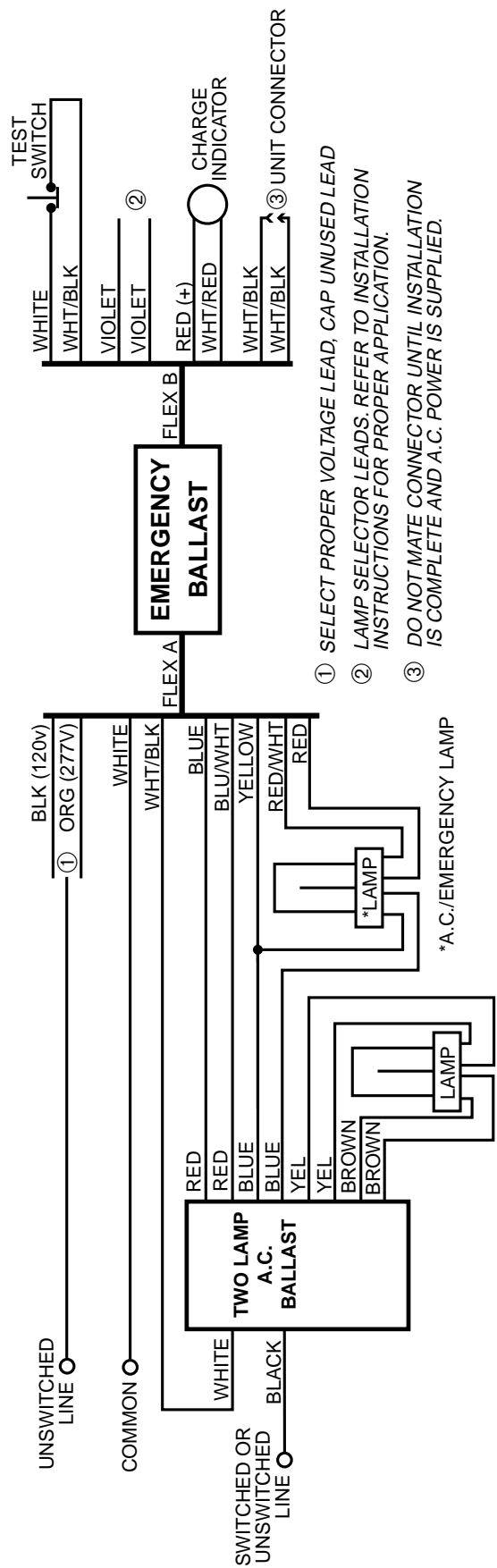
- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.



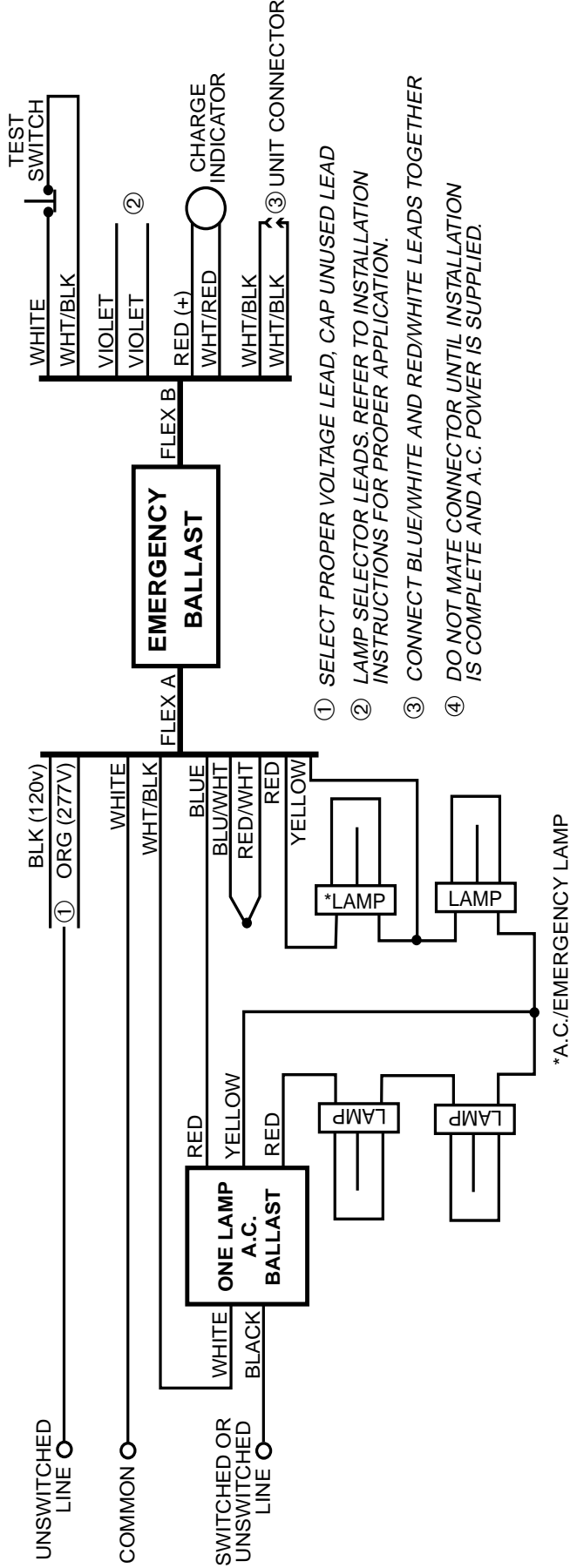
TWO LAMP RAPID START BALLAST WITHOUT MICROPROCESSOR ONE LAMP EMERGENCY OPERATION



TWO LAMP RAPID START BALLAST



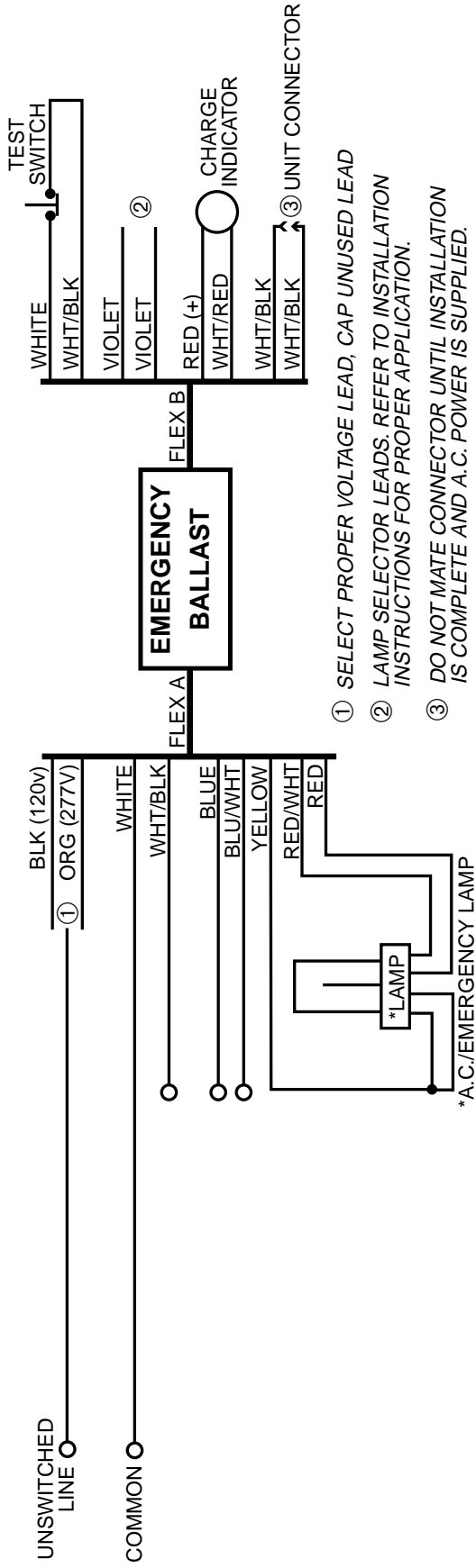
FOUR COMPACT LAMP FULHAM BALLAST



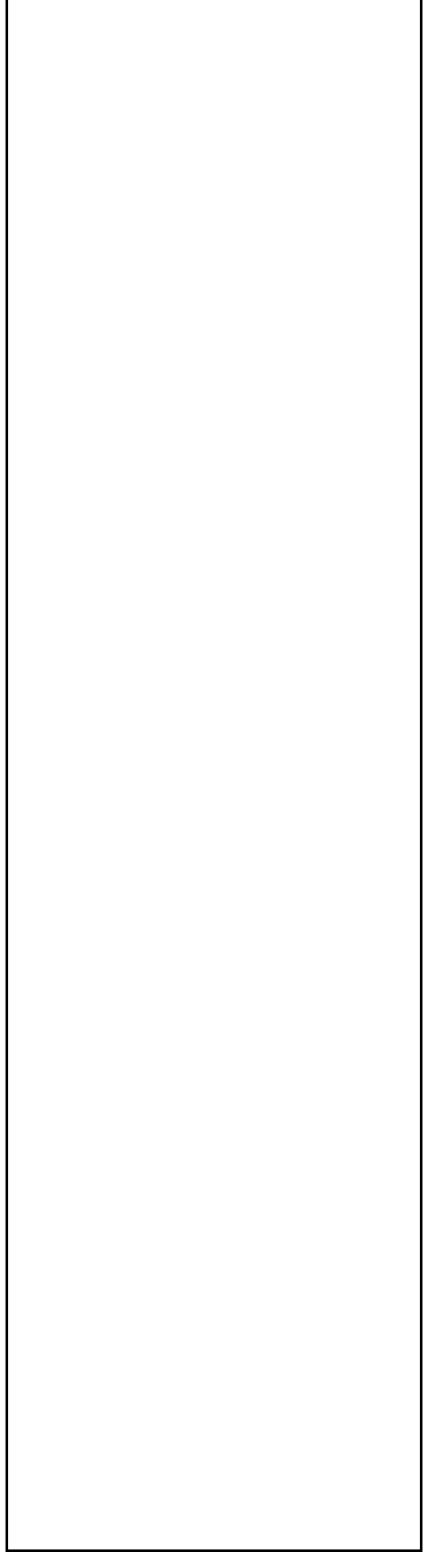
- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ CONNECT BLUE/WHITE AND RED/WHITE LEADS TOGETHER
- ④ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

1LEO

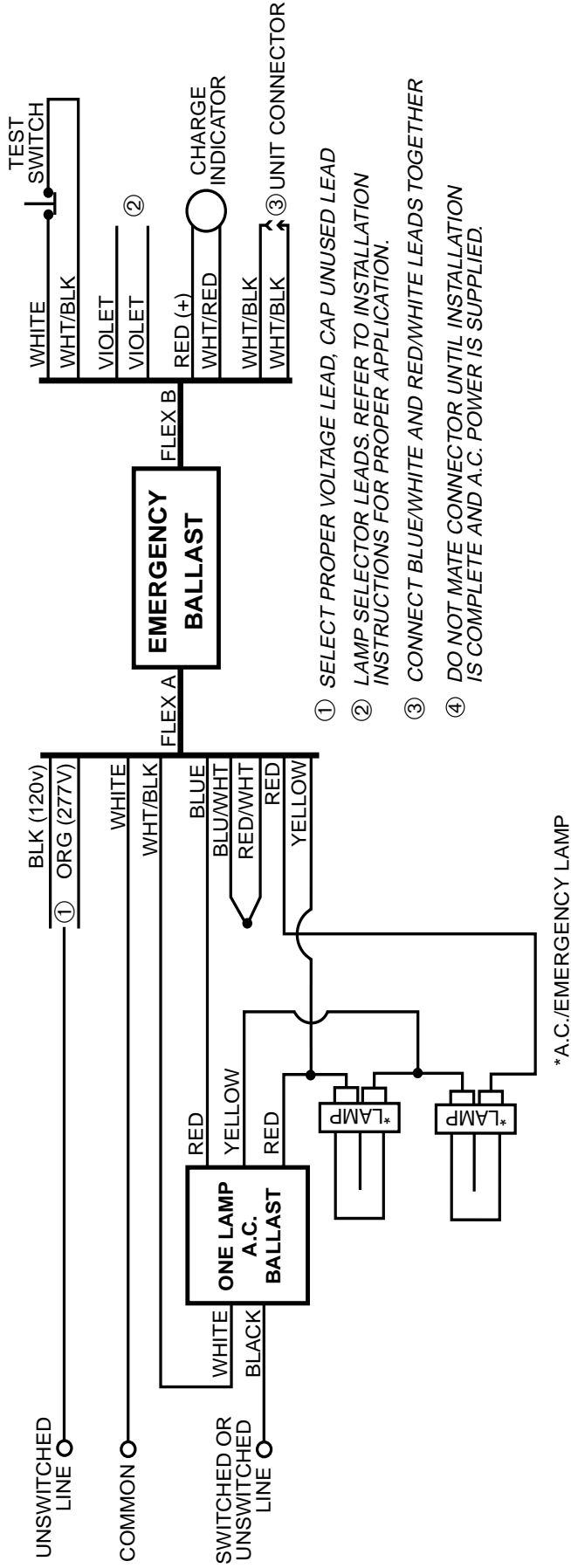
ONE LAMP EMERGENCY OPERATION ONLY



- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

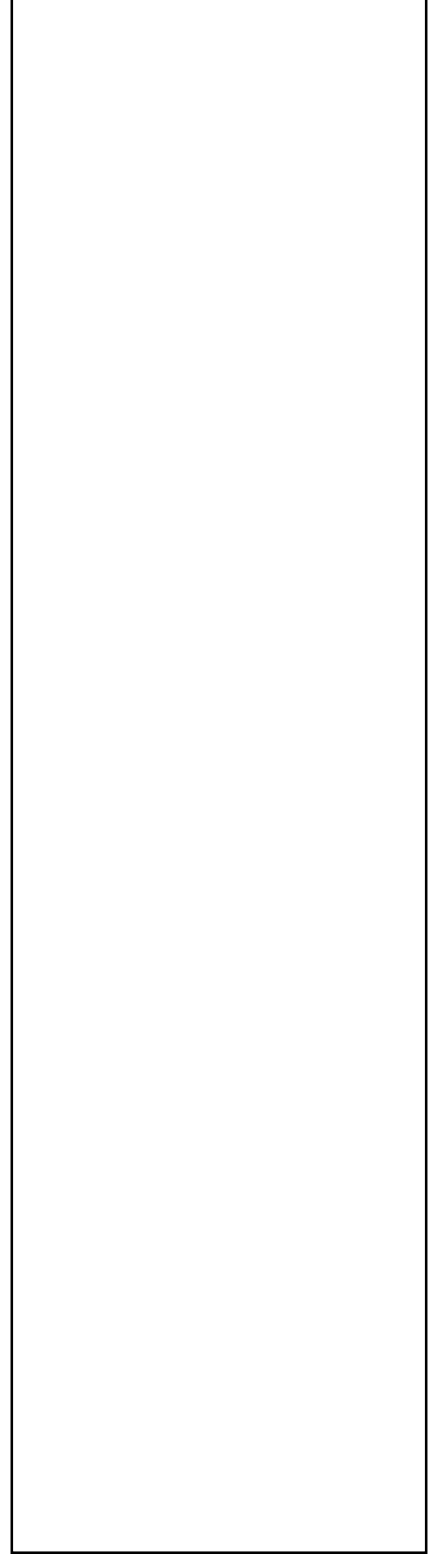


TWO COMPACT LAMP FULHAM BALLAST TWO LAMP EMERGENCY OPERATION

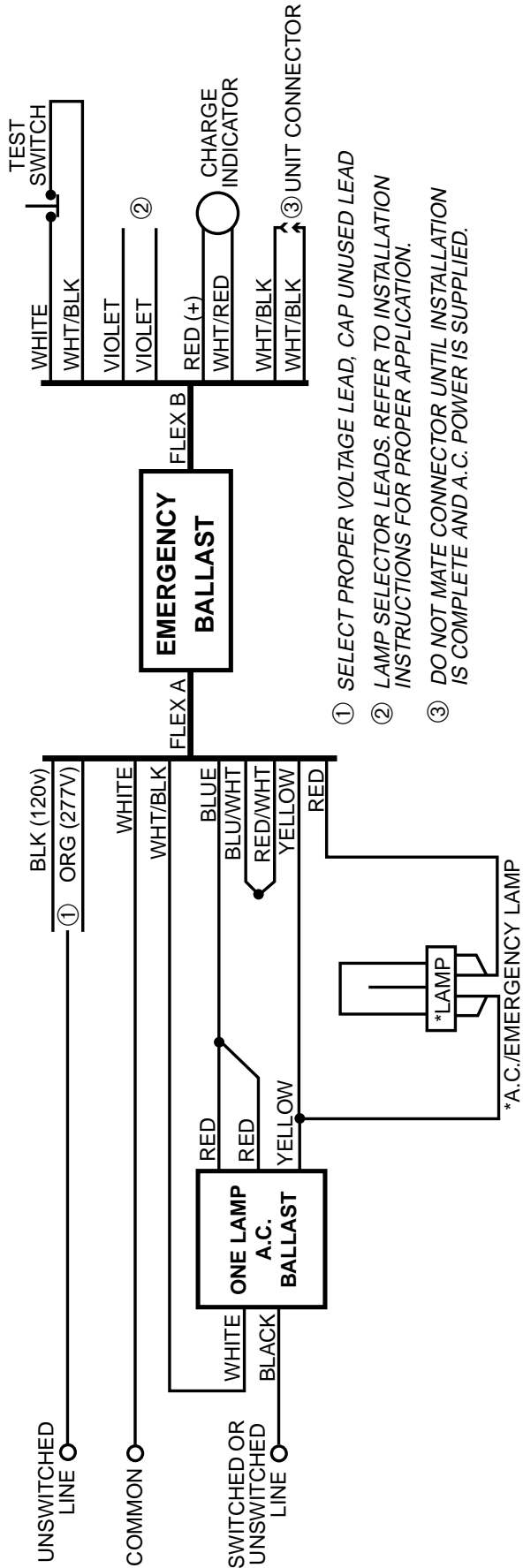


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ CONNECT BLUE/WHITE AND RED/WHITE LEADS TOGETHER
- ④ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

* A.C./EMERGENCY LAMP



ONE LAMP INSTANT START FULLHAM BALLAST

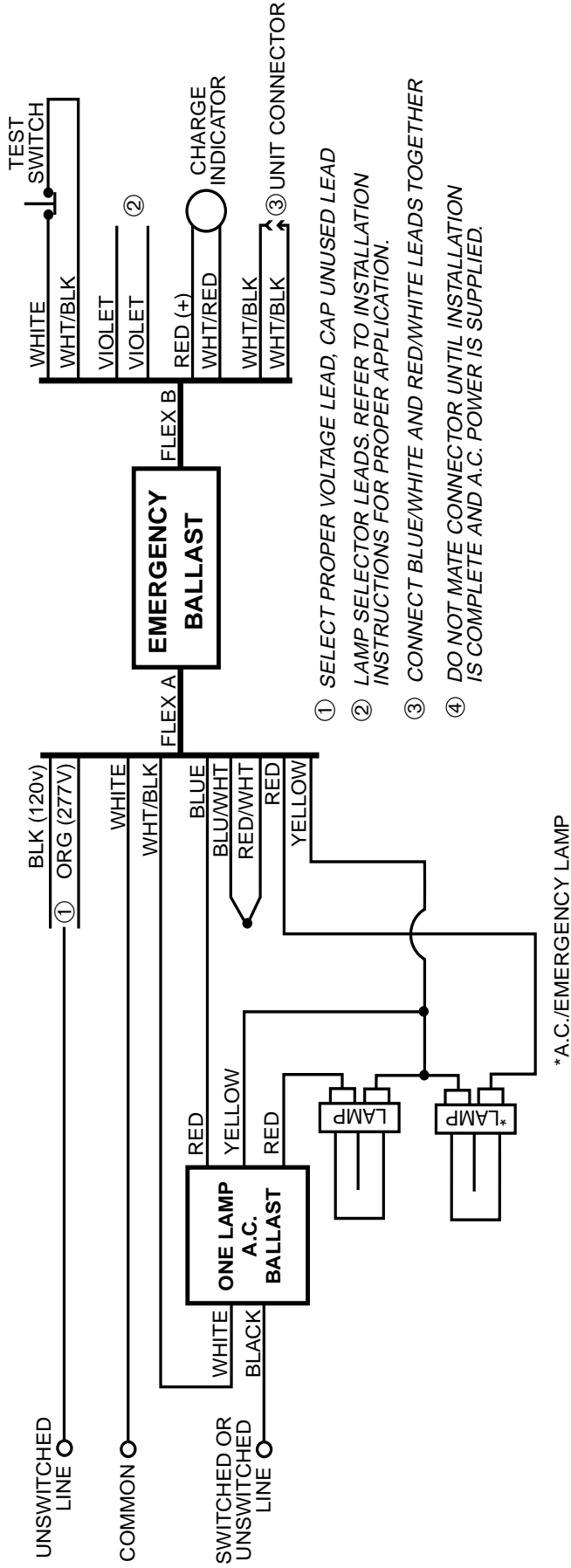


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

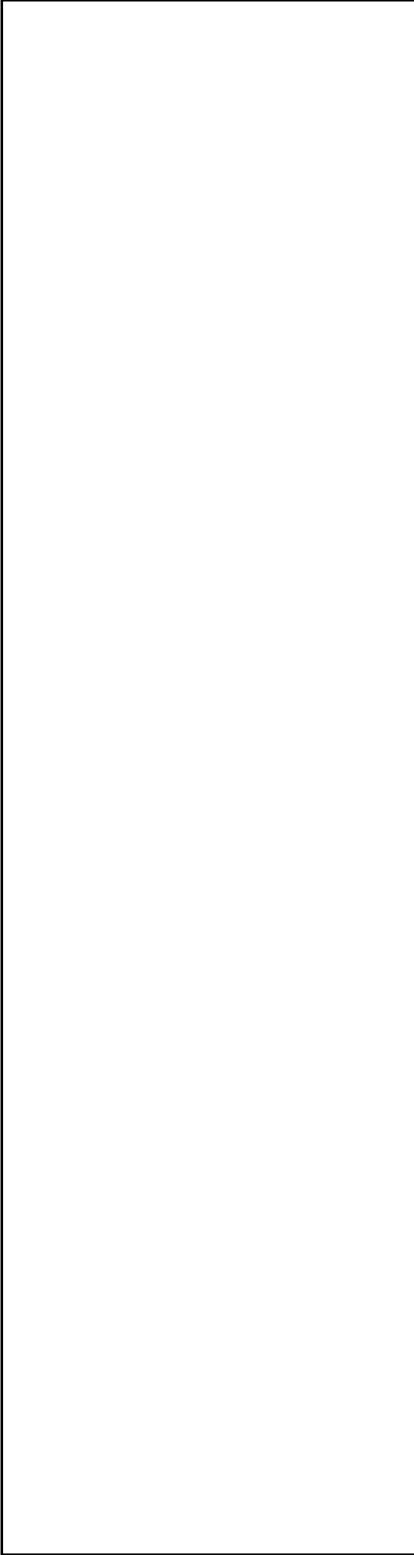
FULLHAM
WORKHORSE 2

ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

TWO COMPACT LAMP FULHAM BALLAST

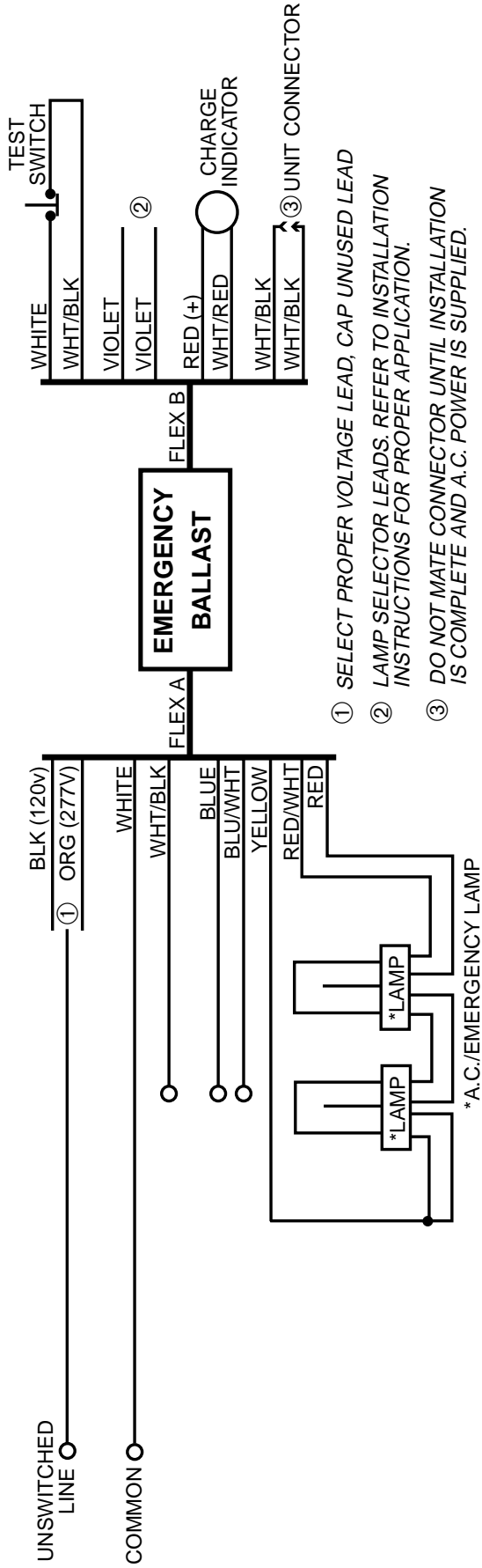


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ CONNECT BLUE/WHITE AND RED/WHITE LEADS TOGETHER
- ④ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

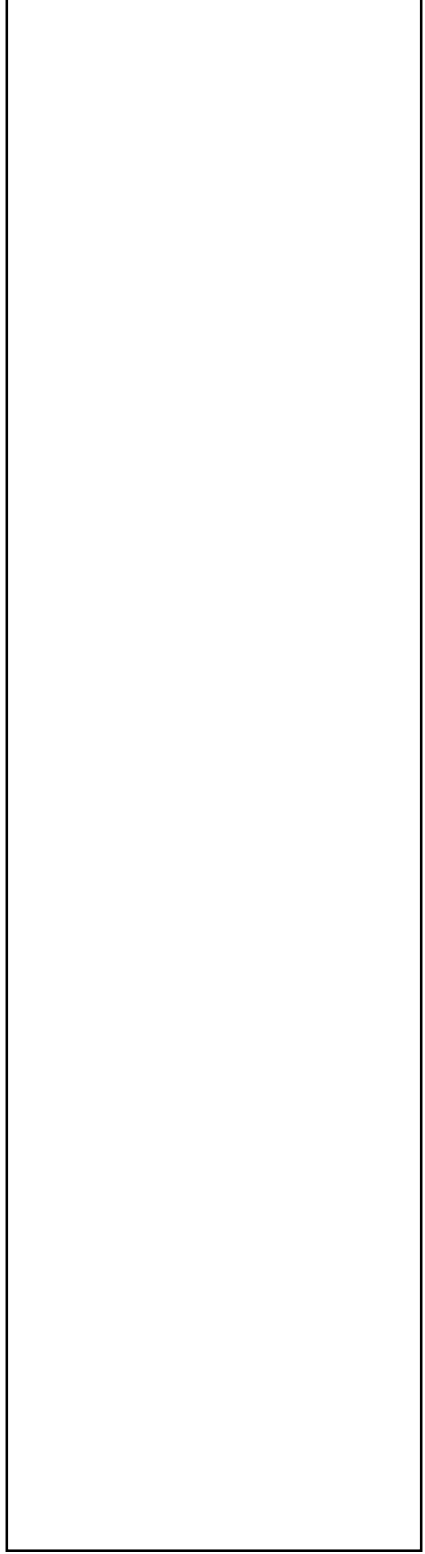


2LEO

TWO LAMP EMERGENCY OPERATION ONLY

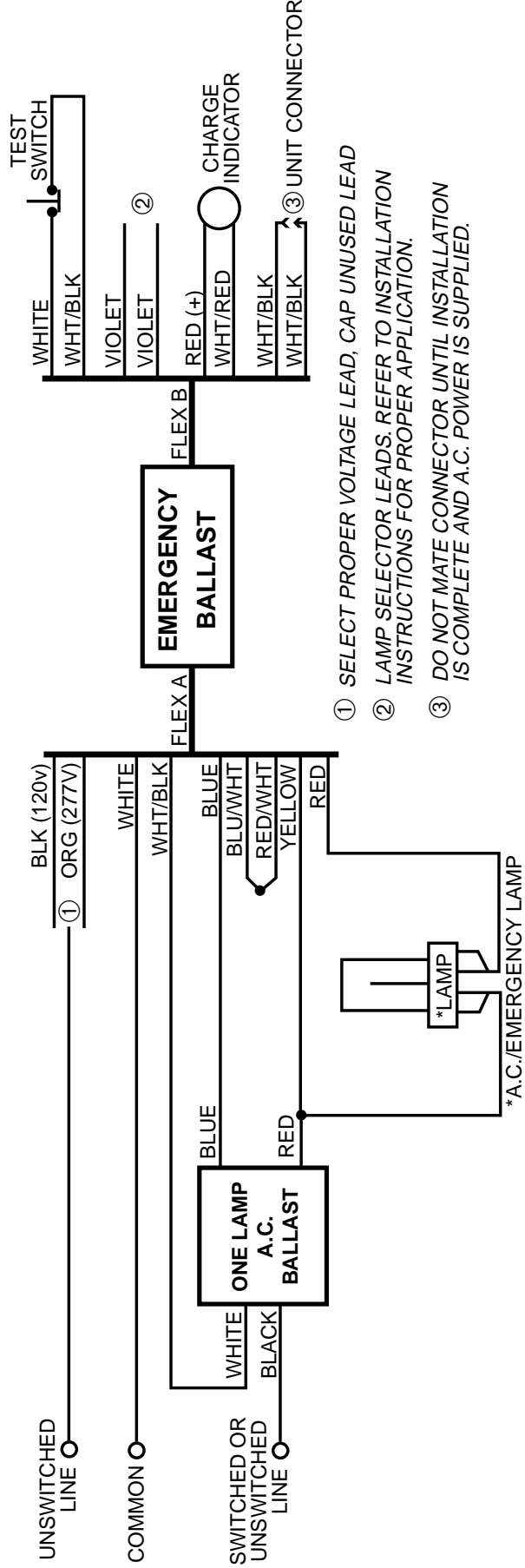


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

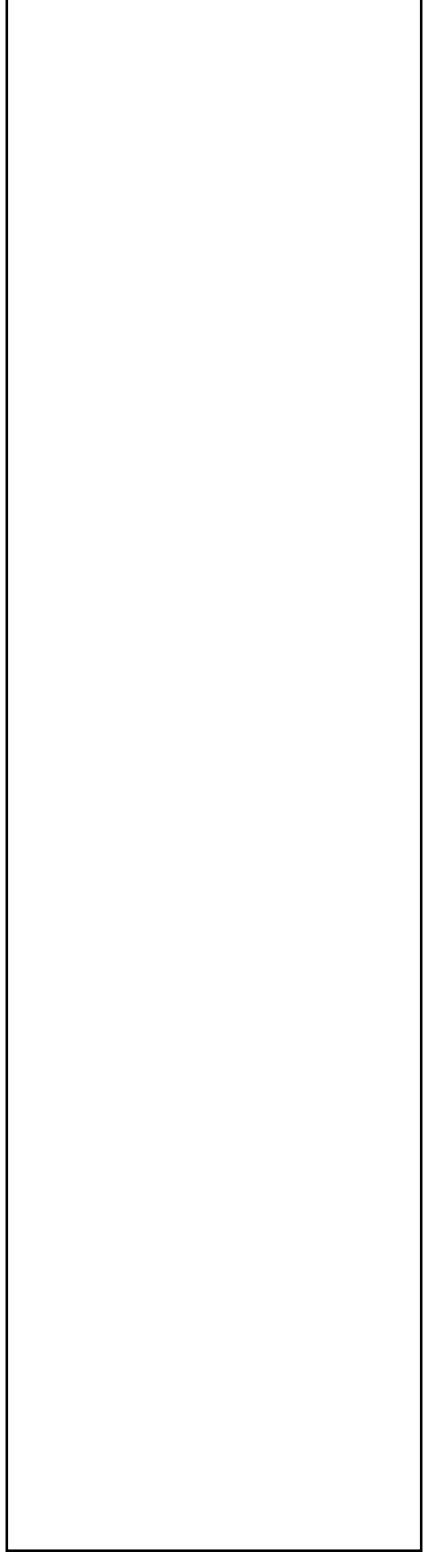


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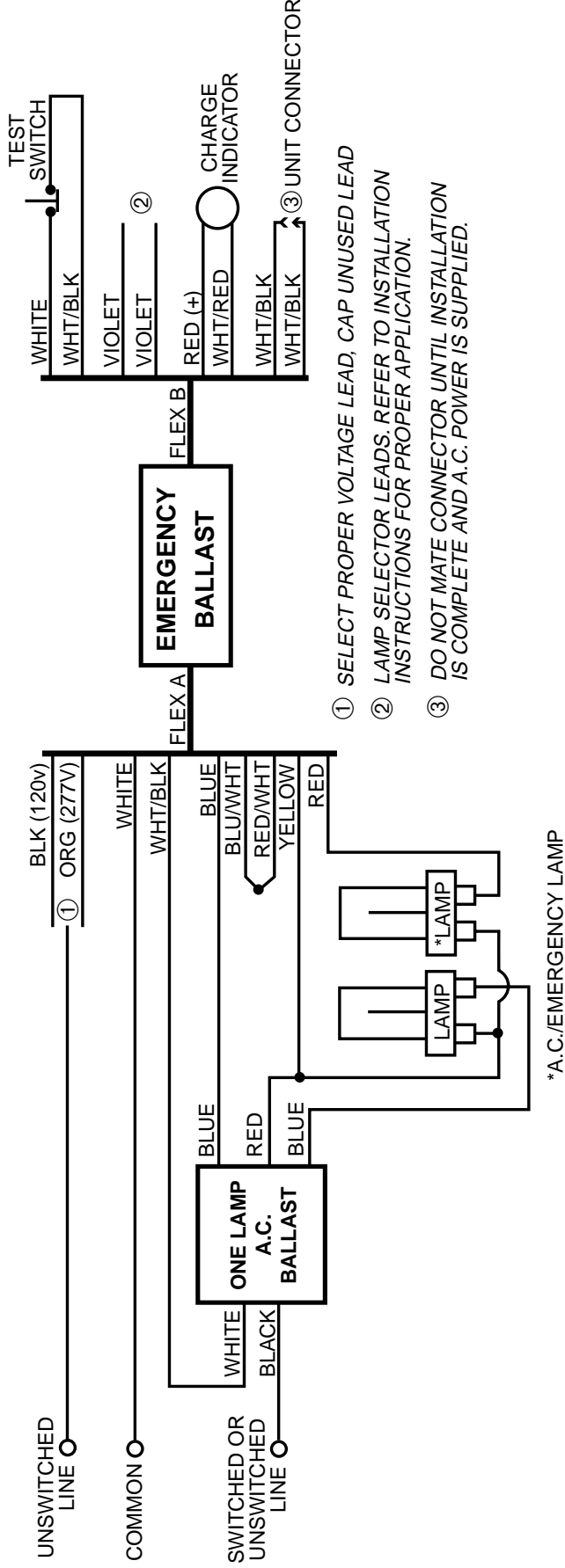
ONE LAMP INSTANT START BALLAST



- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

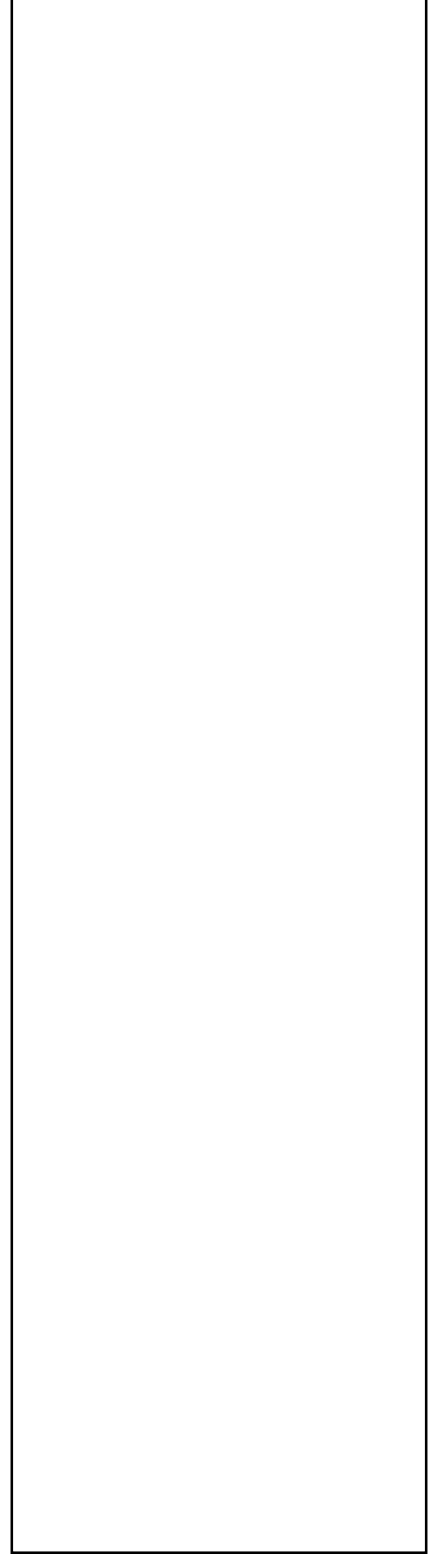


TWO LAMP INSTANT START BALLAST

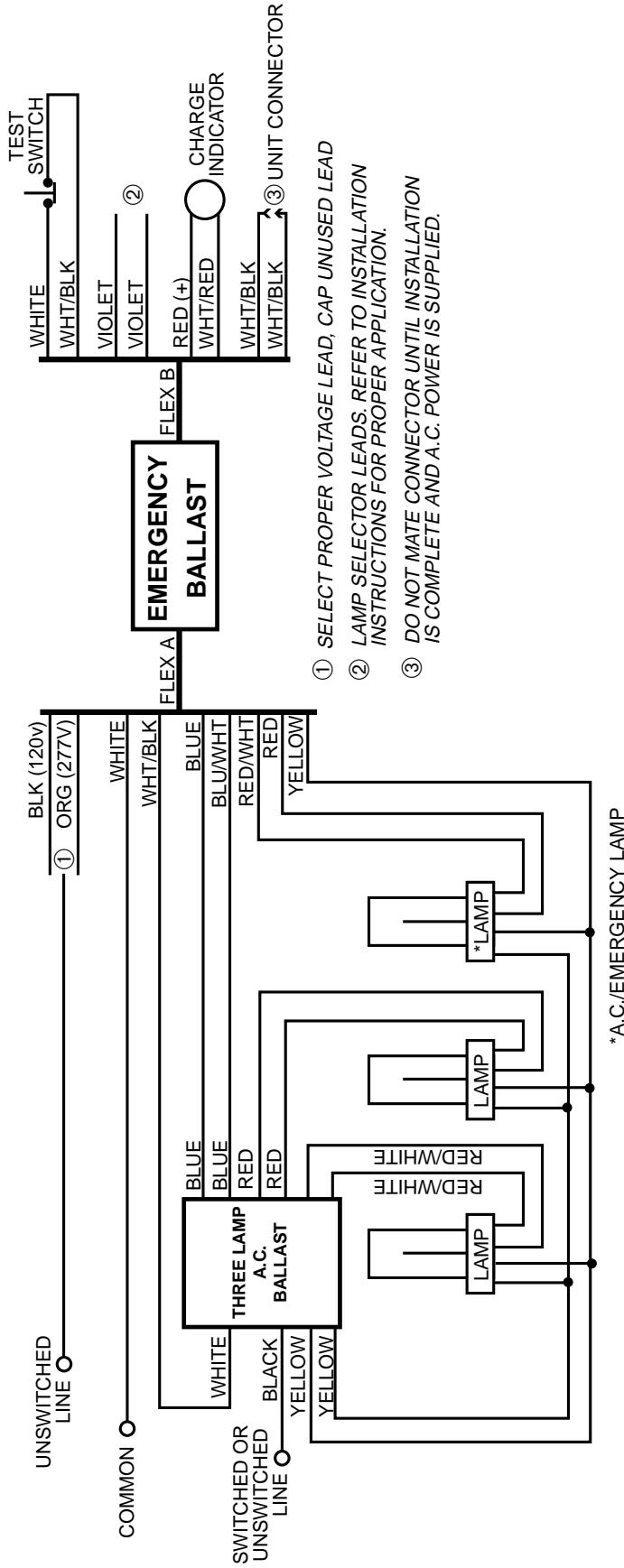


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

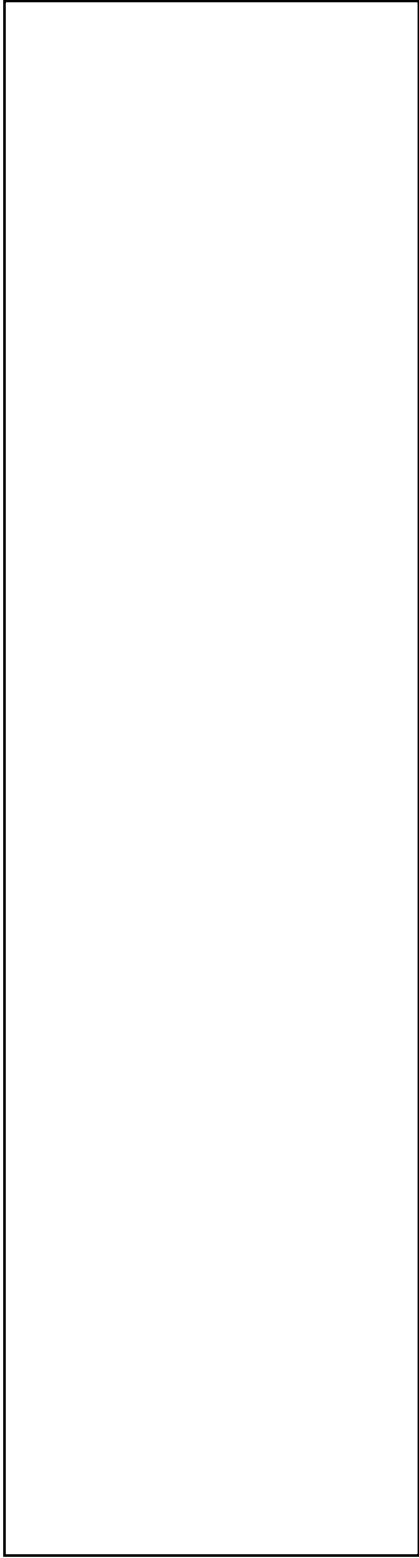
*A.C./EMERGENCY LAMP



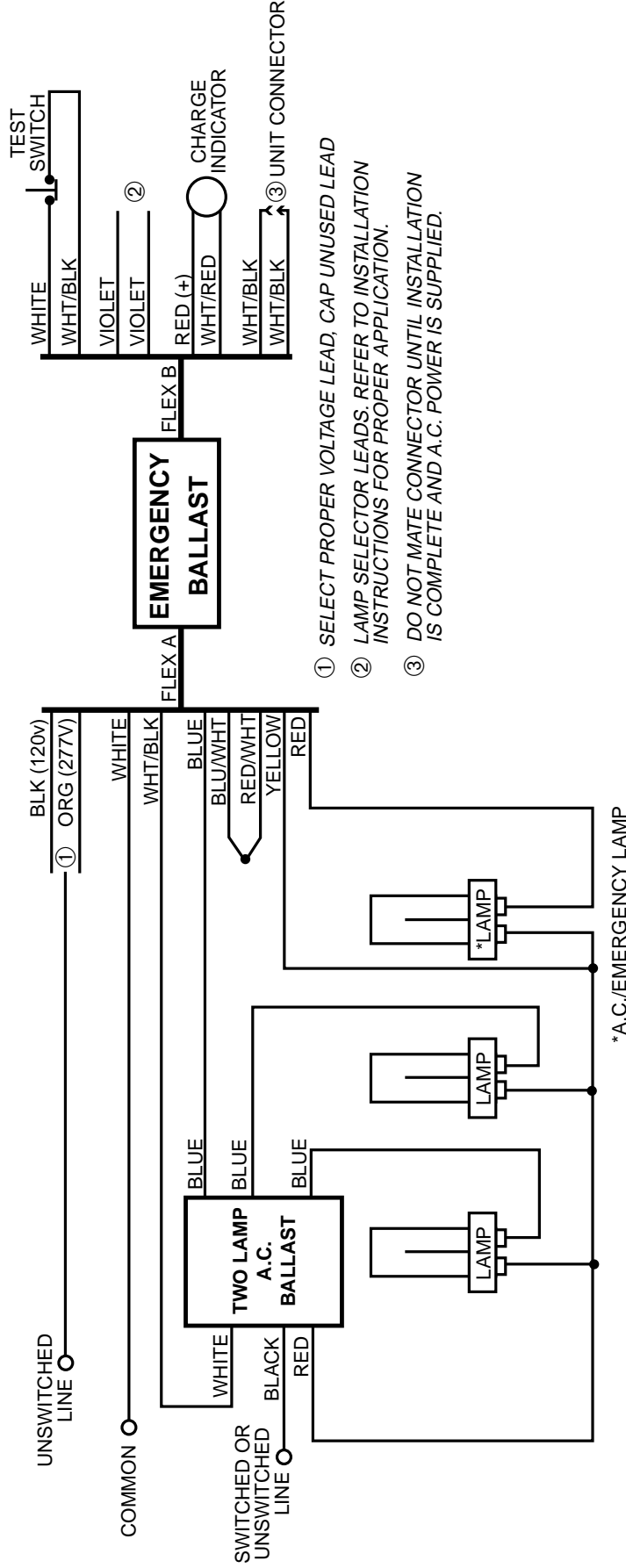
THREE LAMP RAPID START BALLAST WITH ONE LAMP EMERGENCY OPERATION



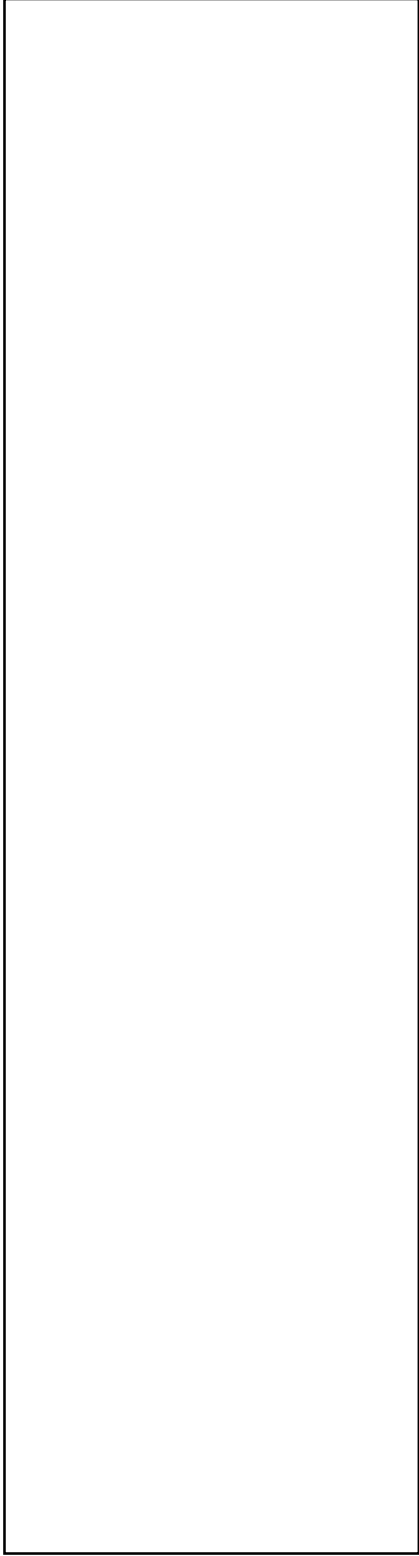
- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.



THREE LAMP INSTANT START BALLAST

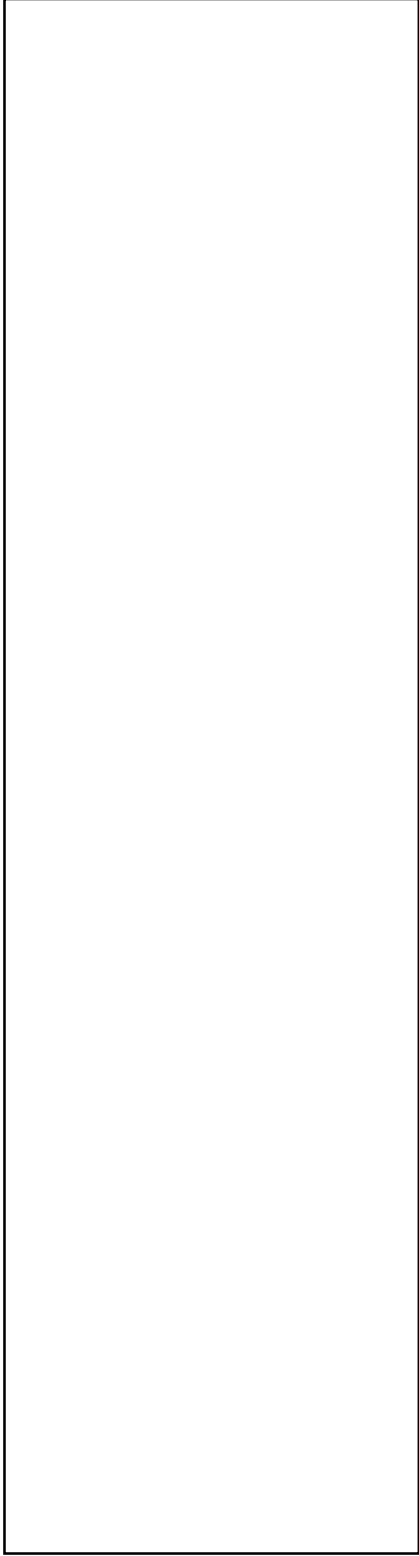
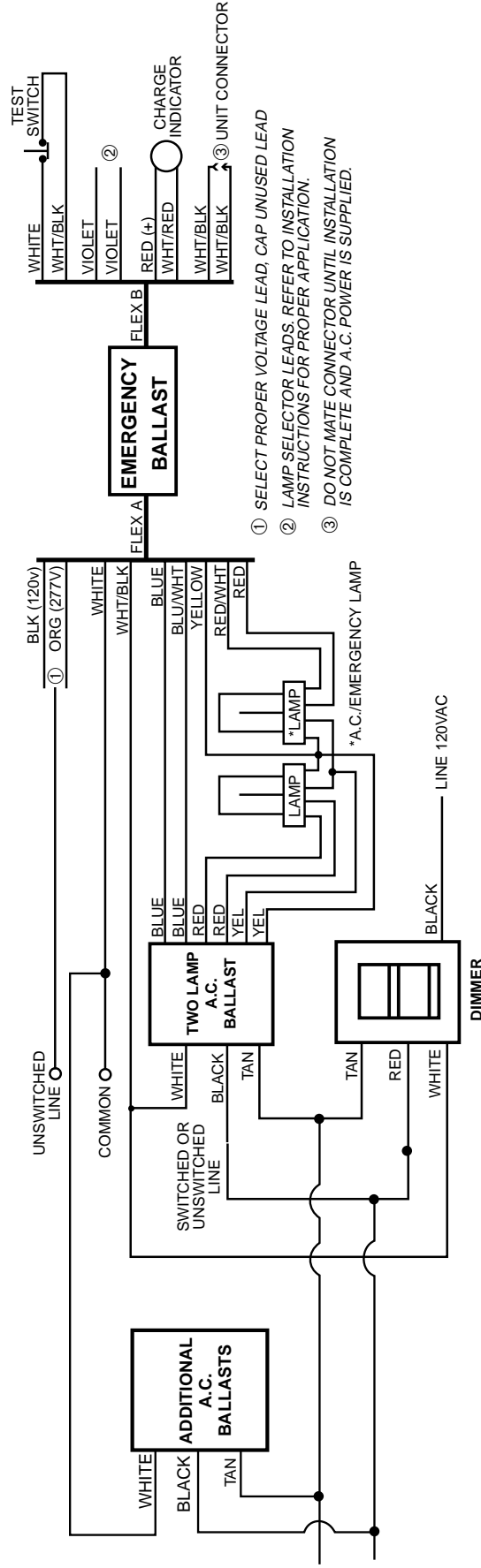


- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.

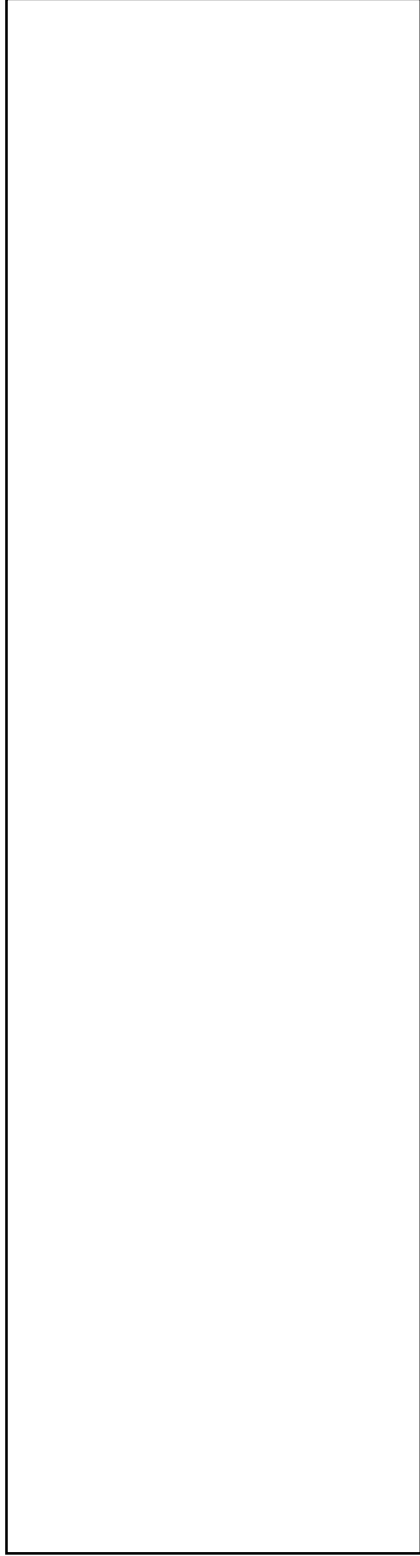
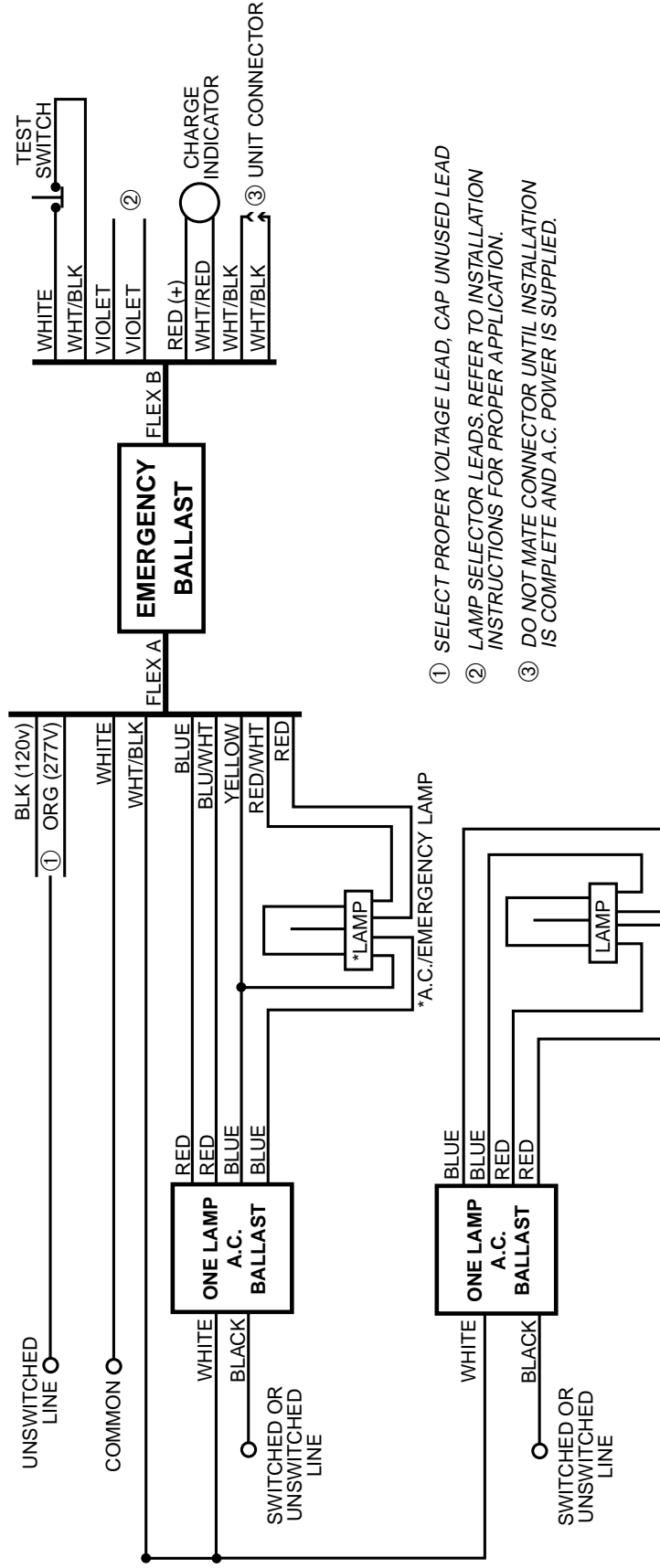


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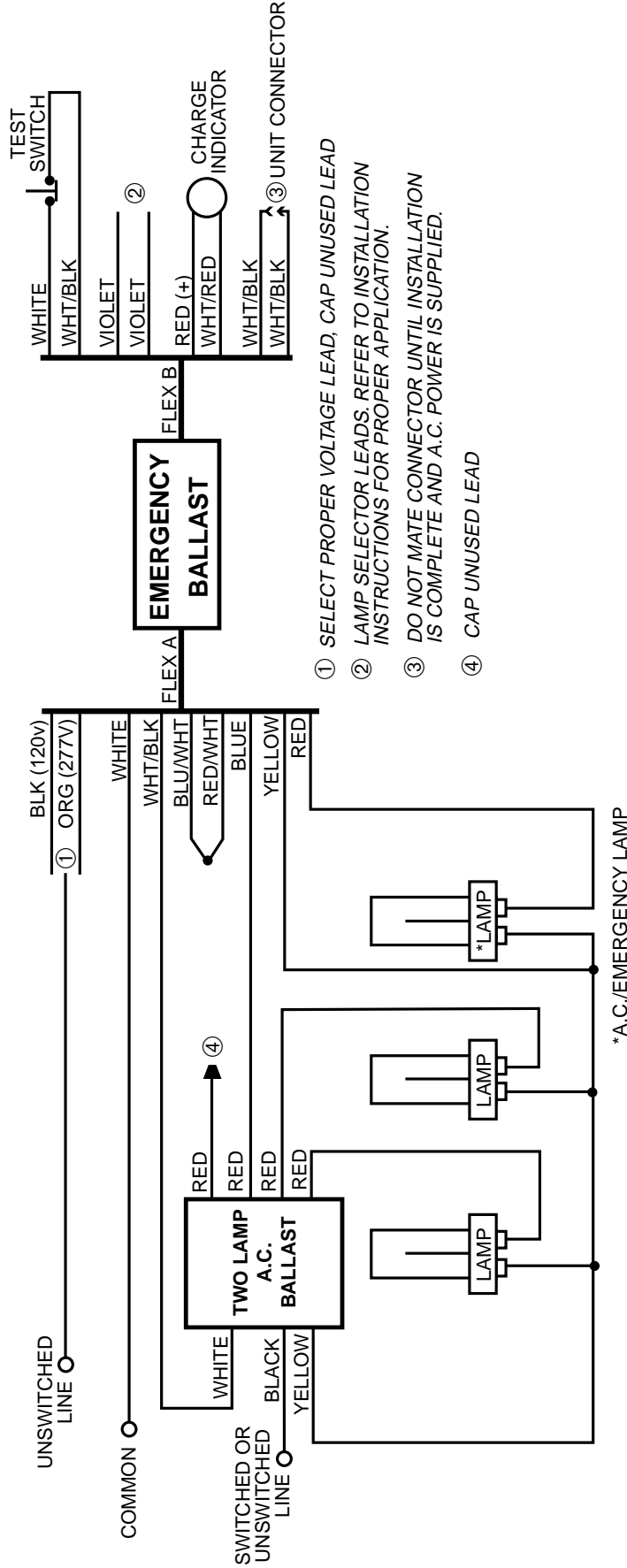
TWO LAMP RAPID START BALLAST WITH DIMMER ONE LAMP EMERGENCY OPERATION



TWO SINGLE LAMP RAPID START BALLASTS



THREE LAMP INSTANT START BALLAST



- ① SELECT PROPER VOLTAGE LEAD, CAP UNUSED LEAD
- ② LAMP SELECTOR LEADS. REFER TO INSTALLATION INSTRUCTIONS FOR PROPER APPLICATION.
- ③ DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER IS SUPPLIED.
- ④ CAP UNUSED LEAD

FULHAM

WORKHORSE 5