

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

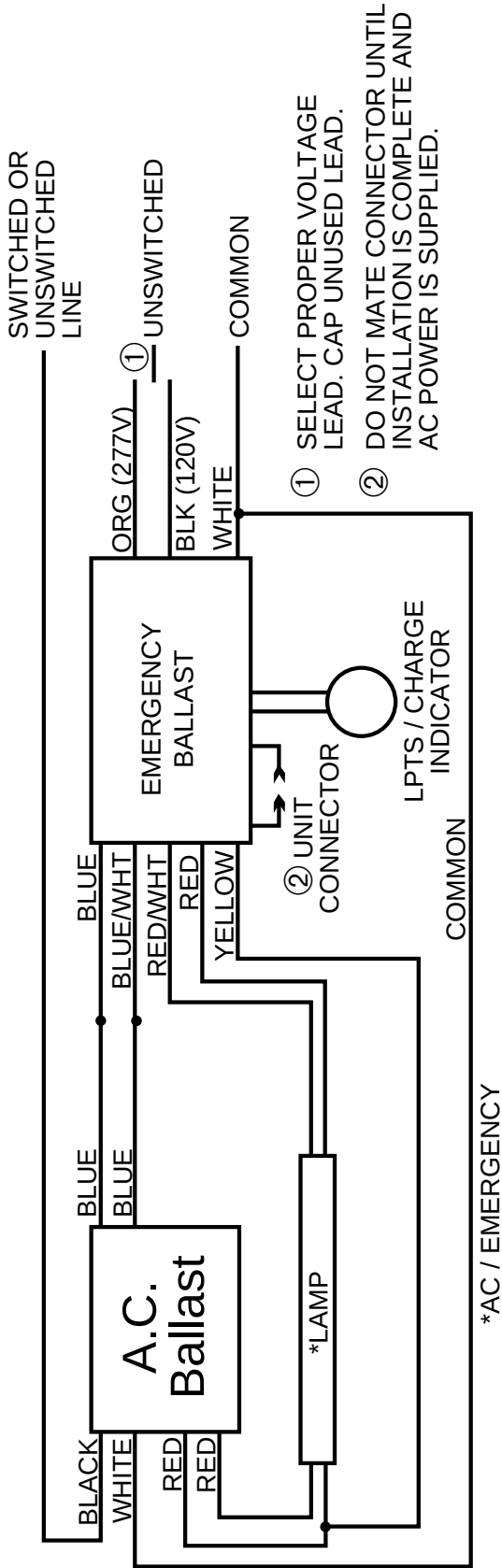
Some diagrams feature a Model List for reference. If you know the actual model number of the AC ballast that the emergency unit is being wired to, you may use the “FIND” tool in the toolbar (Denoted by the binocular icon) to search the diagrams for that particular model. FIND commands may or may not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



ADVANCE

HM/VM-1P30-TP
HM/VHM-1P20-TP
LQ/VLQ-106F-TPP
R/V-1P817-TP
R/V-1P825-TP
R/V-1P32-TP
R/V-1P840-TP
R/V-140-TP
R/V-1U40P-TP
RC/VC-160-TP
RC/VC-1P40-TP
RCN/VCN-1S32
RCN/VCN-1S40
REL/VEL-1S40-RH-TP
RK/VK-132-TP
RK/VK-134-TP
RS/VS-160-TP
REZ-132
RIC/VIC-132-TP
RIC/VIC-140-TP
RZT/VZT-132*

EBT

ECG-120/277-1/40 SR
SSB1-120/277-1/40 LH

GE

G1-RL-T8-1LL-120/277
G1-RN-T8-10C-120/277
G1-RN-T8-1LL-120/277
G1-RN-T12-1LL-120/277

KINGTEC

132K120/277

LUTRON

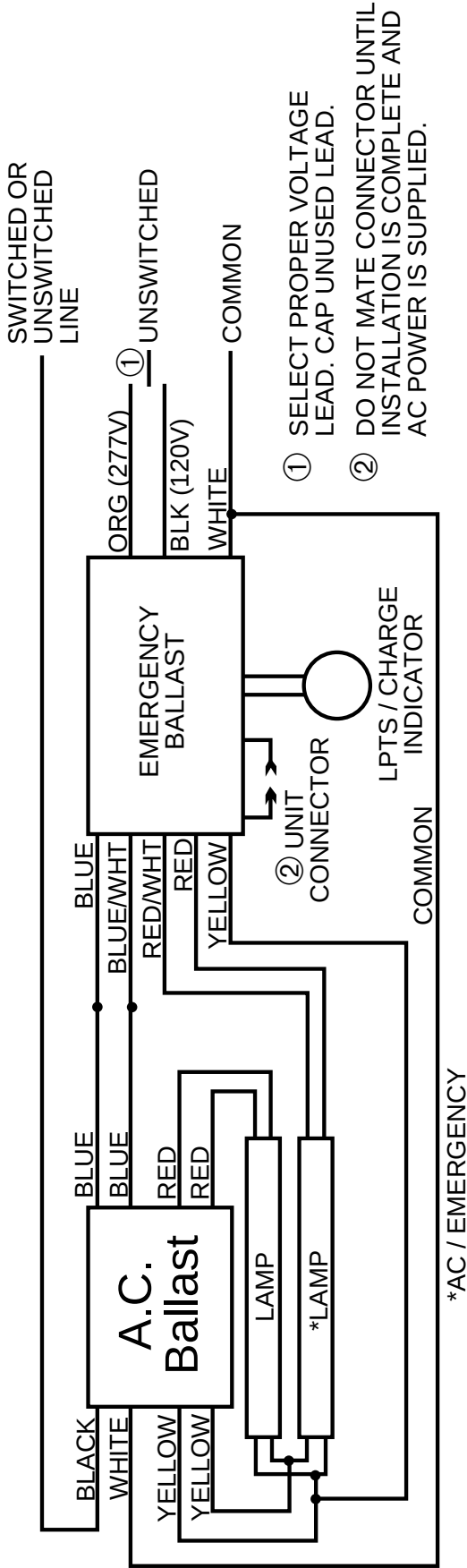
ECO-T832-120/277-1*
FDB-4827-120/277-1*

MOTOROLA

M1-RL-T8-1LL-A-120/277
M1-RL-T8-050-D-120
M1-RN-T12-1LL-B-120/277
M1-RN-T8-10C-B-120/277
M1-RN-T8-1LL-D-120/277
M1-RV-T8-001-B-120

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

TWO LAMP RAPID START BALLAST



ADVANCE

HM/VM-2SP20-TP
LQ-206F-TP
R/V-2P817-TP
R/V-2P825-TP
R/V-2P832-TP
R/V-2P840-TP
R/V-2S40-TP
R/V-2SP30-TP
RC/VC-2SP40-TP
RC/VC-2S85-TP/FO/RO
RC/VC-2S110-FO/RO
RCN/VCN-2S32
RCN/VCN-2S40
RC-2SP830-TP
REL/VEL-2S40-RH-TP
RL-2SP20-TP
RM-2S35-TP
RM/VM-2SP30-TP
RIC/VIC-2S32
RIC/VIC-2S40-TP
REZ/VEZ-2S32
RK/VK-2S32-TP
RK/VK-2S34-TP
RK/VK-2S40-TP
RK/VK-2S110-TP

EBT

ECG-120/277-2/32 SR
ECG-120/277-2/40 SR
SSB1-120/277-2/32 LH
SSB1-120/277-2/40 LH /-(75%)/-(MPX)
SSB7-120/277-2/32 LH

GE

G2-RH-T8-1LL-120/277
G2-RL-T8-1LL-120/277
G2-RN-T8-10C-120/277
G2-RN-T8-1LL-120/277
G2-RN-T12-1LL-120/277

KINGTEC

232K120/277
232K120-75%
232K2120
240K120/277

MAGNETEK

GB 2X32/FL/R/VHP

LUTRON

ECO-T832-120/277-2*
FDB-4827-120/277-2*

MAGNETEK

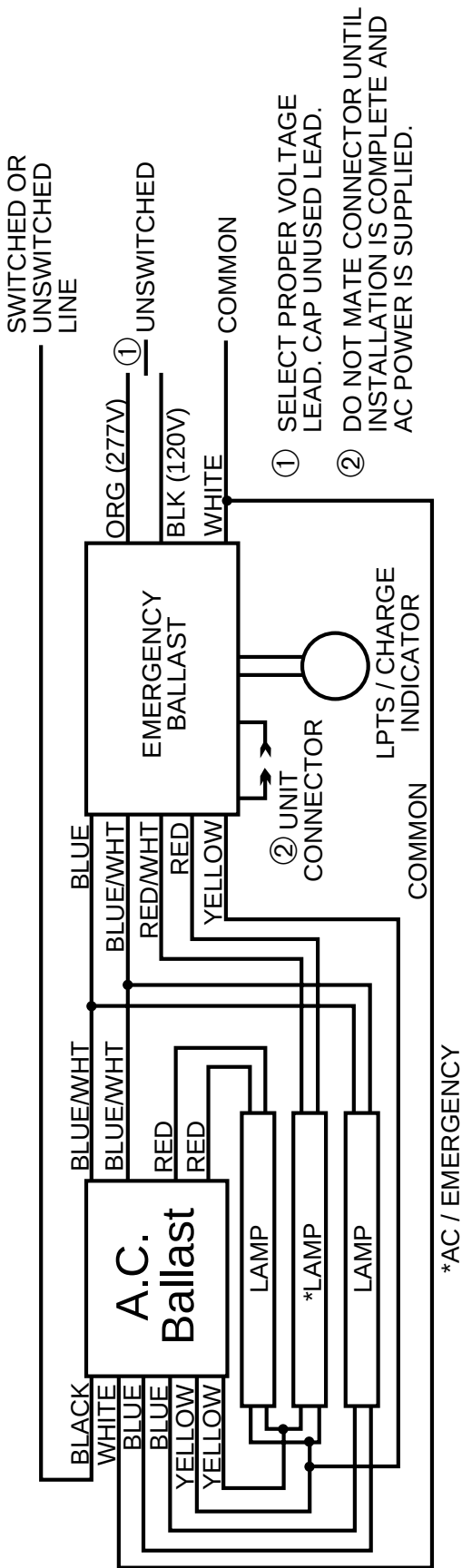
B232 R277 HP

MOTOROLA

M2-RH-T8-1LL-B-120/277
M2-RL-T8-1LL-A-120/277
M2-RN-T12-1LL-B-120/277
M2-RN-T8-10C-B-120/277
M2-RN-T8-1LL-D-120/277

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

THREE LAMP RAPID START BALLAST



ADVANCE

R/V-3S34-TP
RCN/VCN-3S32
RCN/VCN-3S40
REL/VEL-3S40-RH-TP
RIC/VIC-3S32-TP
RIC/VIC-3S40-TP
RL-3SP20-TP
RK/VK-3S34-TP
RZT/VZT-3S32*
REZ/VEZ-3S32*

EBT

SSB1-120/277-3/32 LH
SSB1-120/277-3/40 LH

GE

G3-RL-T8-1LL-120/277
G3-RN-T8-10C-120/277
G3-RN-T8-1LL-120/277
G3-RN-T12-1LL-120/277

LUTRON

ECO-T832-120/277-3*
FDB-4827-120/277-3*

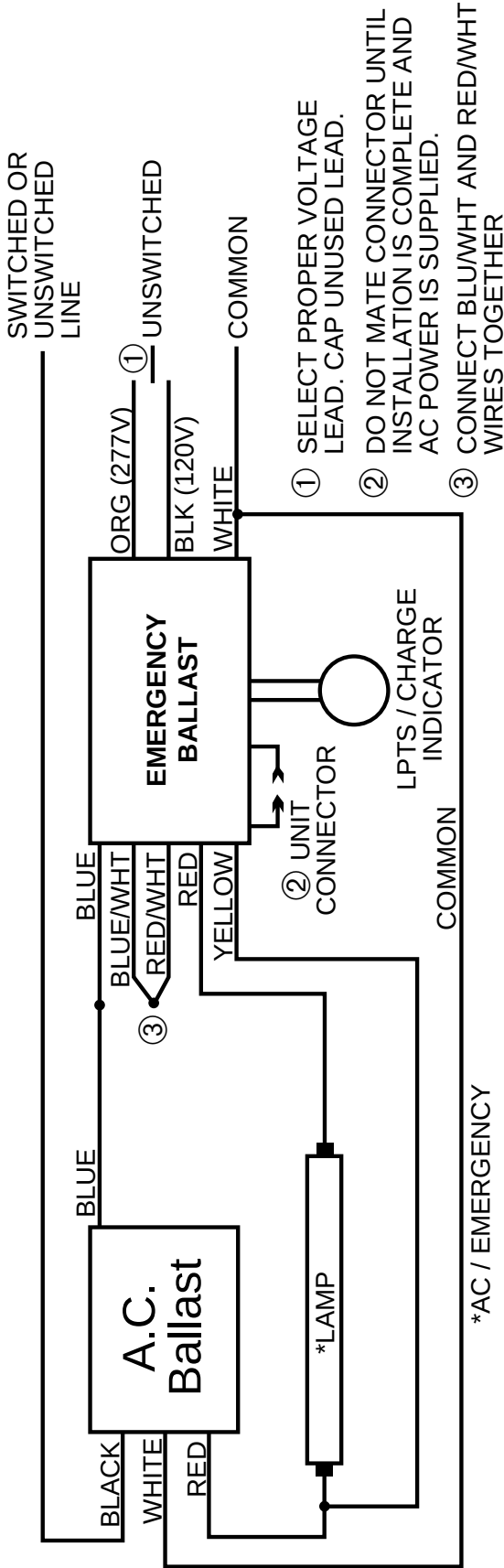
MOTOROLA

M3-RL-T8-1LL-A-120/277
M3-RN-T12-1LL-B-120/277
M3-RN-T8-1LL-A-120/277

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

1LISB

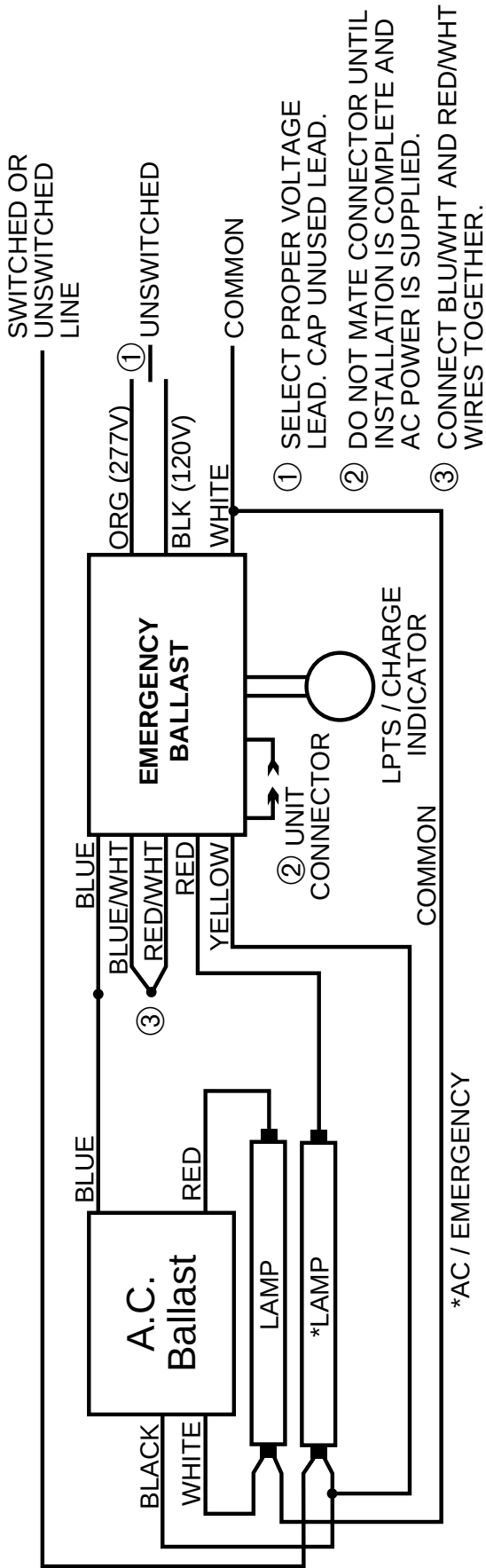
ONE LAMP INSTANT START BALLAST



ADVANCE
RCN/VCN-1P32 REL/VEL-1P32-RH-TP REL/VEL-1P32-SC
EBT
ECG-120/277-1/32 PI SSB2-120/277-1/32 IS LH
GE
G1-IN-T8-120/277
GOLDSTAR
GB 1x32/FL/I/120-277 GB 1x32/FL/I/120L-277L
HOWARD
E1/32IS-120/277 EC1/32IS-120/277 ECL1/32IS-120/277 EL1/32IS-120/277
KINGTEC
132K120-IS/277-IS
MAGNETEK
B132I120/277HP B132I120/277RH
MOTOROLA
M1-IN-T8-1LL-D-120/277 M1-IN-T8-D-120/277 M1-IN-T8-GP-D-120/277

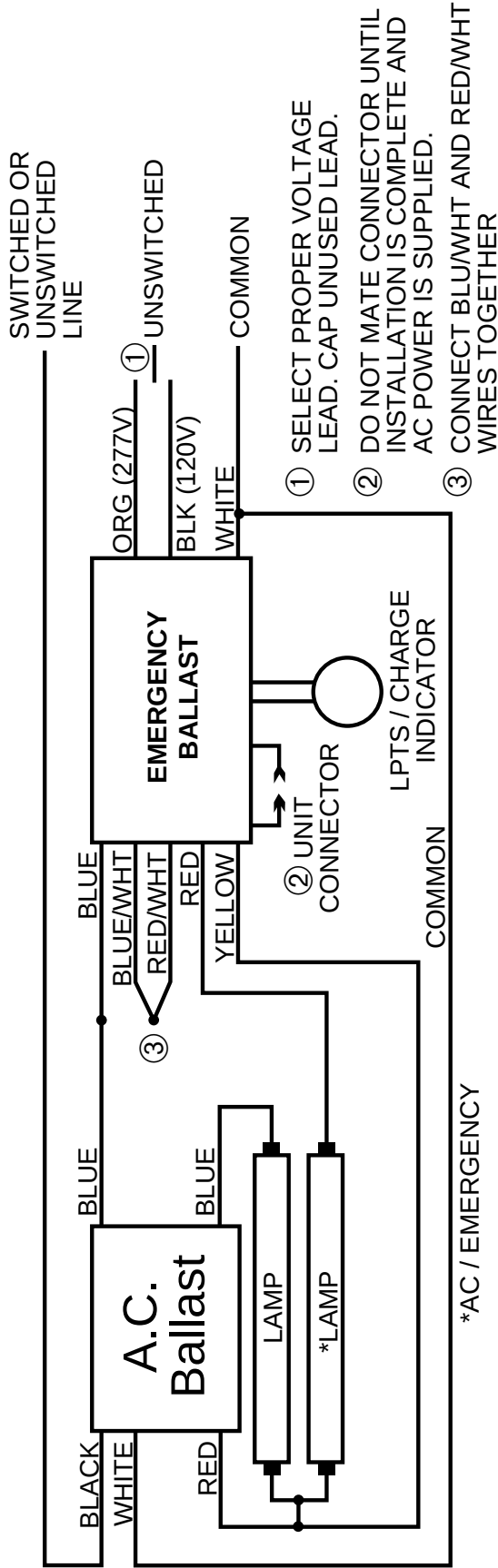
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

TWO LAMP INSTANT START BALLAST



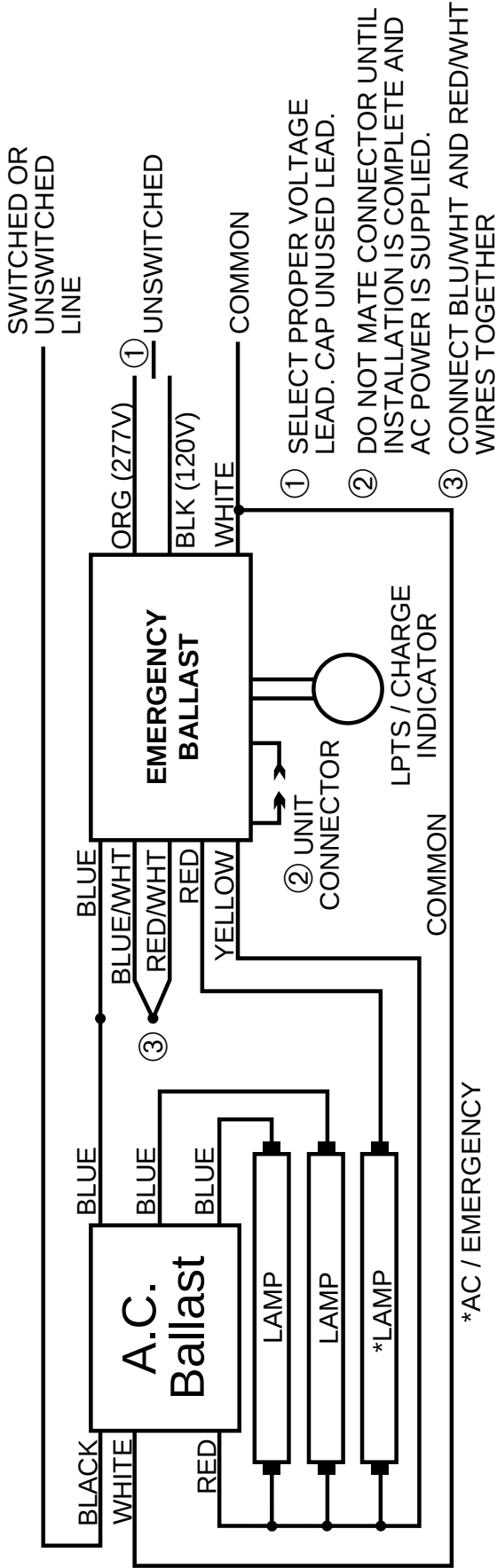
2LISB2

TWO LAMP INSTANT START BALLAST



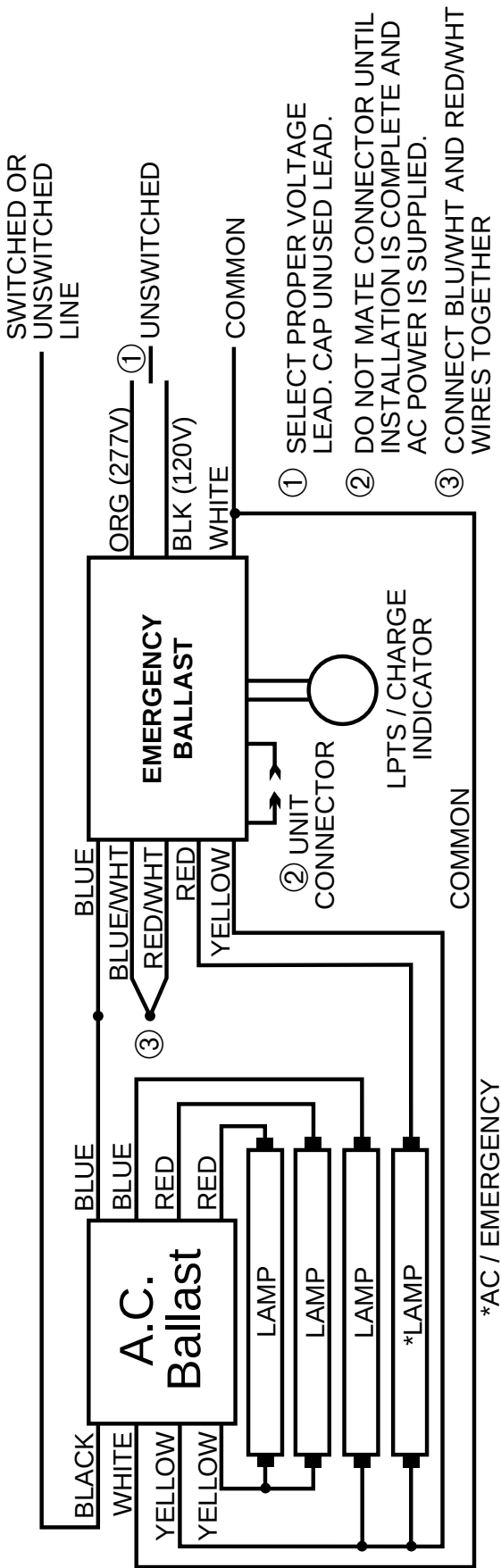
ADVANCE
RCN/VCN-2P32 /(-LW) REL/VEL-2P17-RH-TP REL/VEL-2P32-LW-RH-TP REL/VEL-2P32-RH-TP REL/VEL-2P32-SC
EBT
ECG-120/277-2/32 PI SSB2-120/277-2/17 IS LH SSB2-120/277-2/32 IS LH SSB2-120/277-2/32 IS MPX LH
GE
G2-IN-T8-120/277
GOLDSTAR
GB 2x32/FL/I/120-277 GB 2x32/FL/I/120L-277L GB 2x32/FL/I/120HBF-277HBF
HOWARD
E2/32IS-120/277 EC2/32IS-120/277
KINGTEC
232K120-IS/277-IS
MAGNETEK
B232I120/277HP B232I120/277RH
MOTOROLA
M2-IN-T8-D-120/277 M2-IN-T8-1LL-D-120/277 M2-IL-T8-GP-D-120/277 M2-IN-T8-GP-D-120/277
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED. *DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

THREE LAMP INSTANT START BALLAST



ADVANCE
RCN/VCN-3P32 REL/VEL 3P32-RH-TP REL/VEL 3P32-LW-RH-TP
EBT
SSB2-120/277-3/32 IS LH
GE
G3-IN-T8-120/277
GOLDSTAR
GB 3x32/FL/I/120-277 GB 3x32/FL/I/120L-277L
HOWARD
E3/32IS-120/277 EC3/32IS-120/277 ECL3/32IS-120/277 EL3/32IS-120/277
MAGNETEK
B332I120/277RH B332I120/277HP
MOTOROLA
M3-IL-T8-GP-A-120/277 M3-IN-T8-A-120/277 M3-IN-T8-D-120/277 M3-IN-T8-GP-A-120/277
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED. *DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

FOUR LAMP INSTANT START BALLAST



ADVANCE

RCN/VCN-4P32
REL/VEL-4P32-RH-TP
REL/VEL-4P32-LW-RH-TP

EBT

SSB2-120/277-4/32 IS LH /-(75%)

GE

G4-IN-T8-120/277

GOLDSTAR

GB 4x32/FL/I/120-277
GB 4x32/FL/I/120L-277L

HOWARD

E4/32IS-120/277
EC4/32IS-20/277

KINGTEC

432K120-IS/277-IS
432K120-75%

MAGNETEK

B432I120/277HP
B432I120/277RH

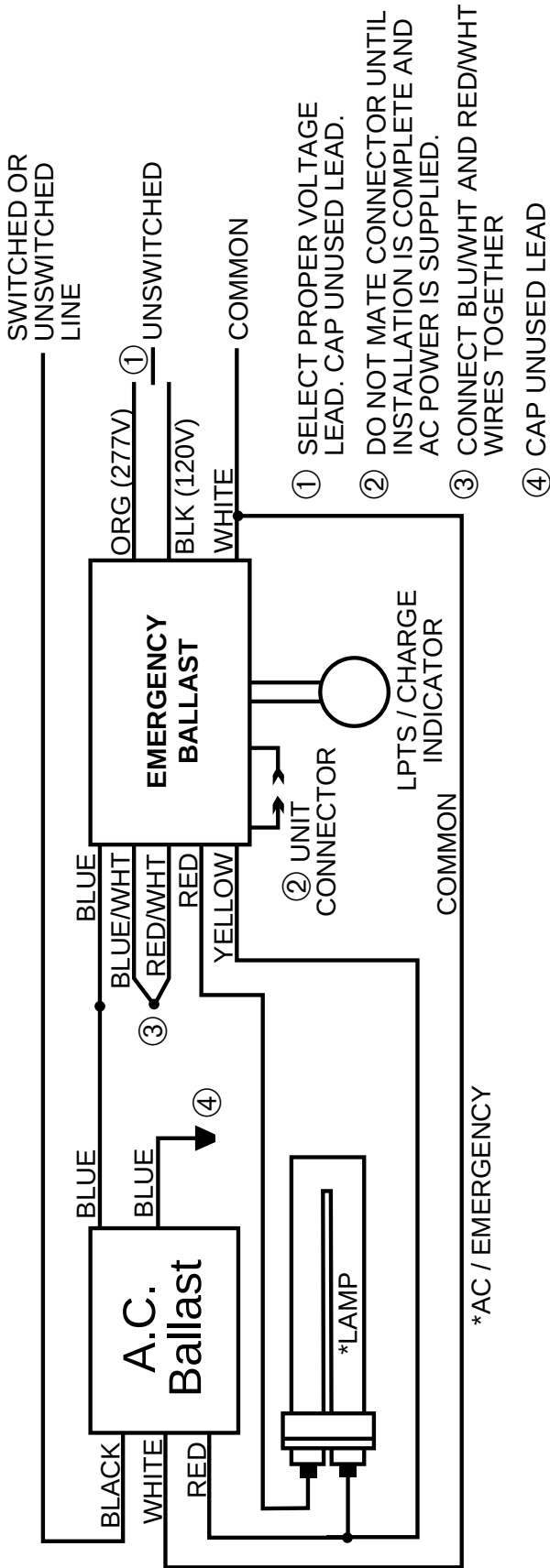
MOTOROLA

M4-IL-T8-GP-A-120/277
M4-IN-T8-A-120/277
M4-IN-T8-D-120/277
M4-IN-T8-GP-A-120/277

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

1LBX

ONE LAMP BIAx



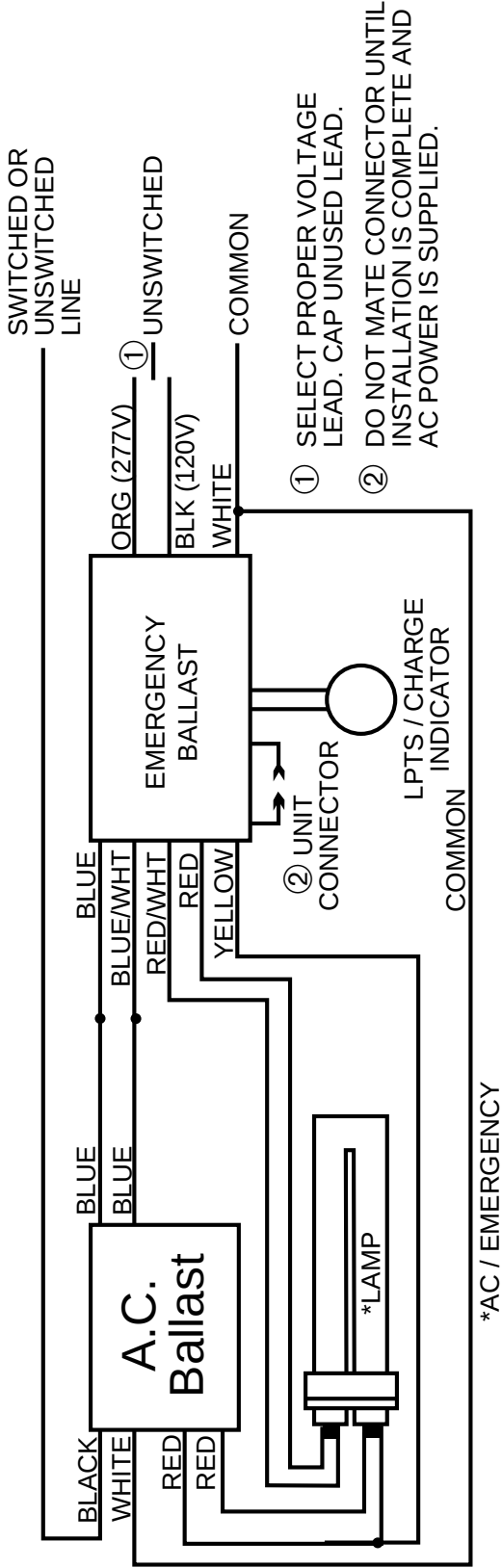
MAGNETEK

C240I120/277RH

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

1BXLRSB

ONE BIAX LAMP RAPID START BALLAST



ADVANCE

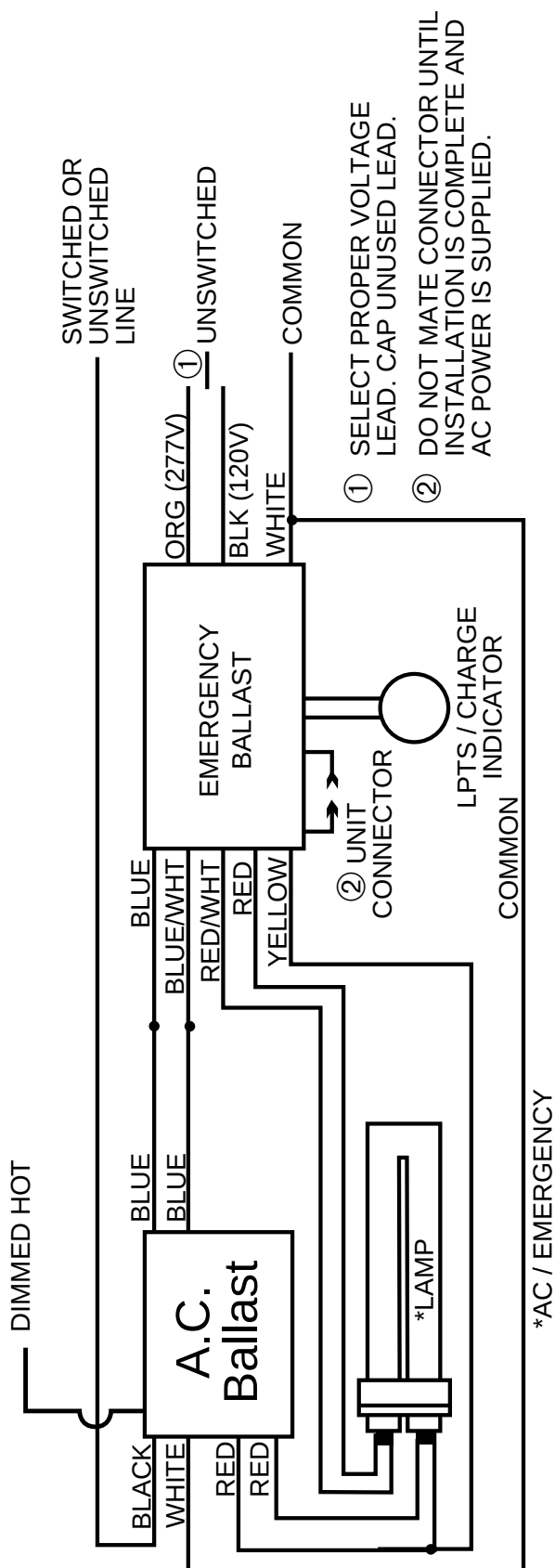
R/V-1BP27-TP
R/V-1BP39-TP
R/V-1BP40-TP

MOTOROLA

M1-RL-T8-1LL-A-120/277
M1-RL-T8-050-D-120
M1-RN-T12-1LL-B-120/277
M1-RN-T8-10C-B-120/277
M1-RV-T8-001-B-120

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

ONE BIAx LAMP RAPID START BALLAST



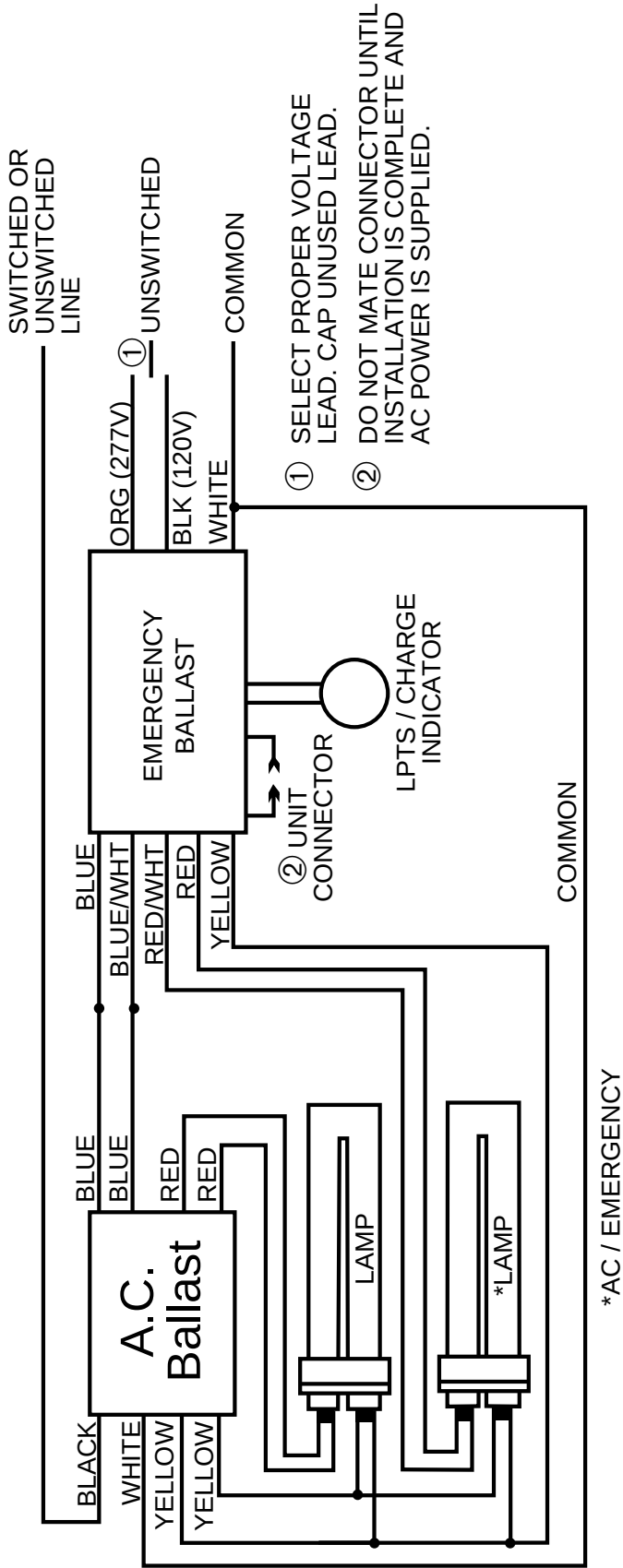
LUTRON

ECO-T540-120/277-1

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

2BXLRSB_DM

TWO BIAX LAMP RAPID START BALLAST

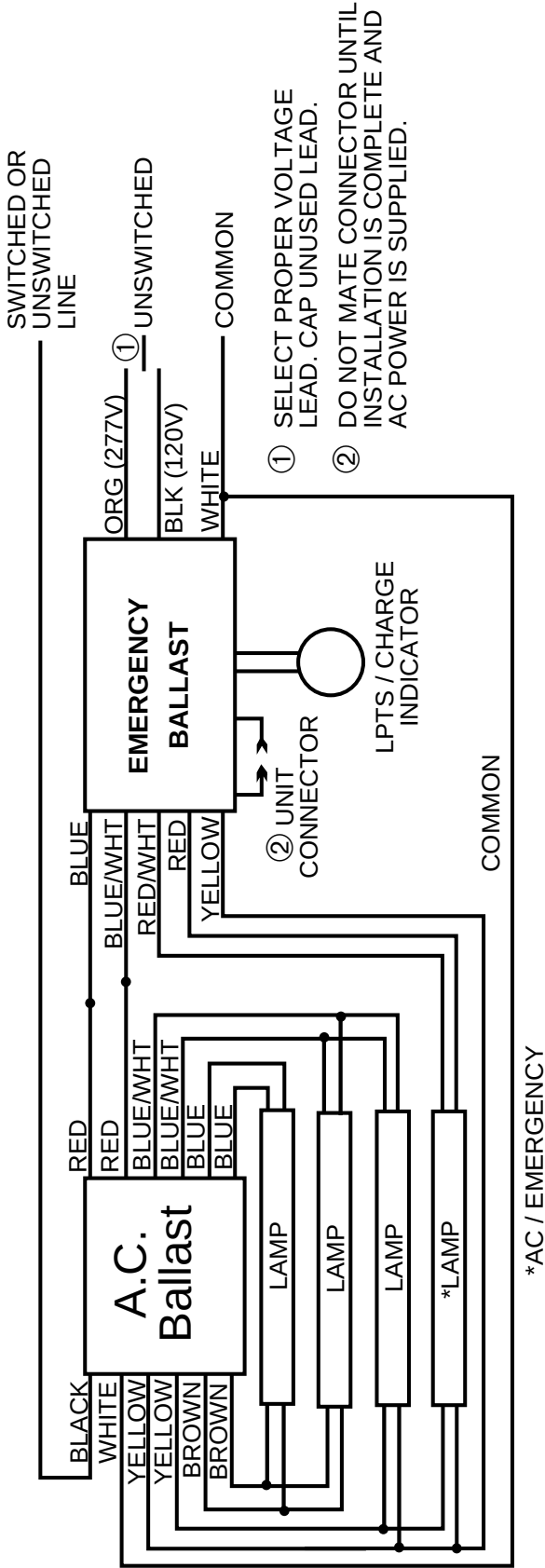


ADVANCE
R/V-2BS27-TP R/V-2BS39-TP R/V-2BS40-TP
EBT
SSB1-120/277-2/39 TT LH SSB1-120/277-2/40 TT LH /-(75%)
GE
G2-RN-T5/40-ILL-120/277
LUTRON
ECO-T540-120/277-2
MOTOROLA
M2-RN-T5/40-1LL-B-120/277 M2-RH-T8-1LL-B-120/277 M2-RL-T8-1LL-A-120/277 M2-RN-T12-1LL-B-120/277 M2-RN-T8-10C-B-120/277 M2-RN-T8-1LL-D-120/277

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

4LR5B

FOUR LAMP RAPID START BALLAST



ADVANCE

RC-4S60-TP
RC-4S85-TP
VCN-4S32-SC

GE

G4-RL-T8-1LL-120/277
G4-RN-T8-10C-120/277
G4-RN-T8-1LL-120/277

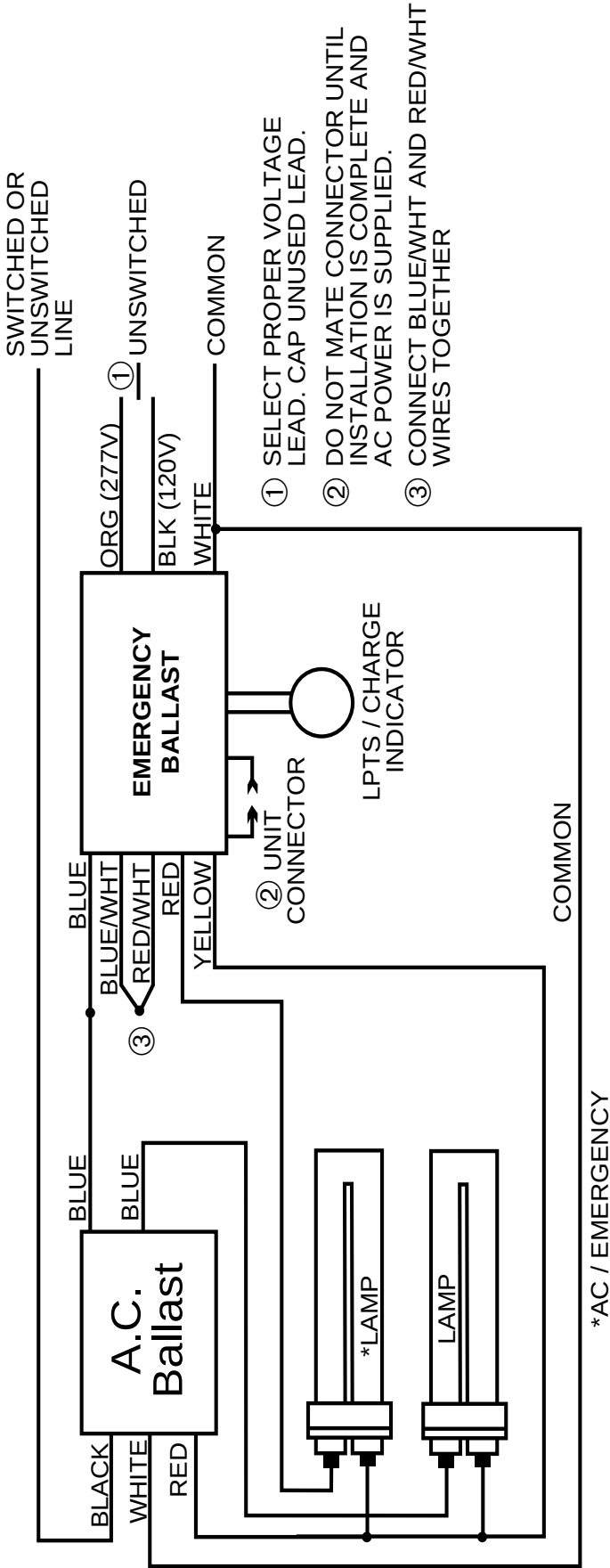
MOTOROLA

M4-RL-T8-1LL-A-120/277
M4-RL-T8-1LL-B-120/277
M4-RN-T8-1LL-A-120/277
M4-RN-T8-1LL-B-120/277

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

2LISBX

TWO BIAX LAMP INSTANT START BALLAST



MAGNETEK

B232I120/277HP

B232I120/277RH

MOTOROLA

M2-IL-T8-GP-120/277

M2-IN-T8-D-120/277

M2-IN-T8-1LL-D-120/277

M2-IN-T8-GP-120/277

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

SWITCHED OR UNSWITCHED LINE

ORG (277V) ① UNSWITCHED

BLK (120V) WHITE COMMON

EMERGENCY BALLAST

② UNIT CONNECTOR

CHARGE INDICATOR LPTS/

③

BLUE

BLUE/WHT

RED/WHT

RED

YELLOW

YELLOW

YELLOW

BLUE

A.C. Ballast

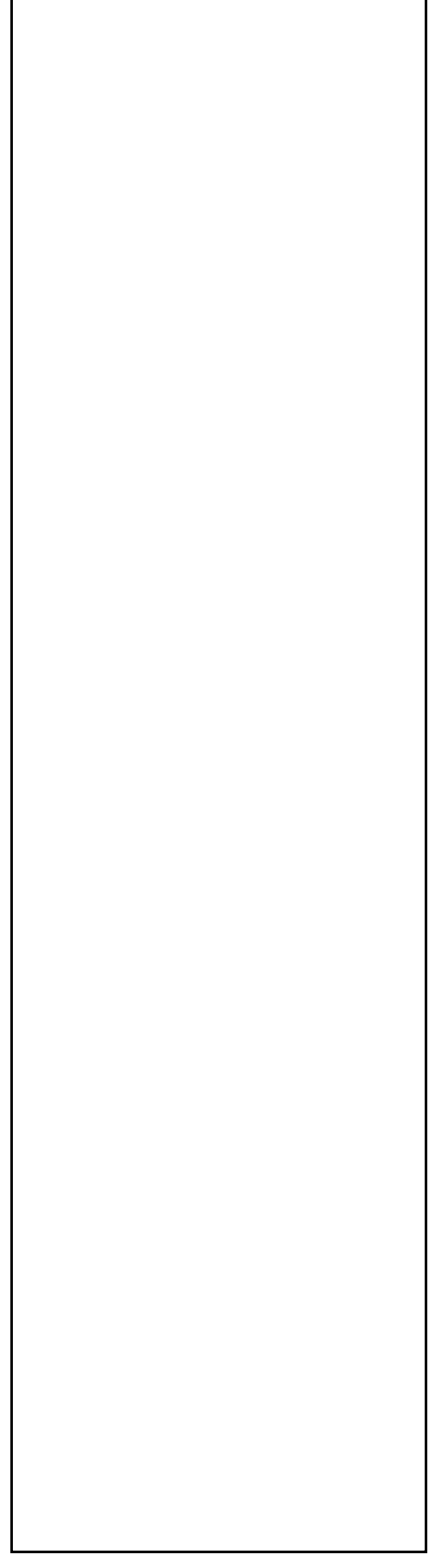
LAMP

*LAMP

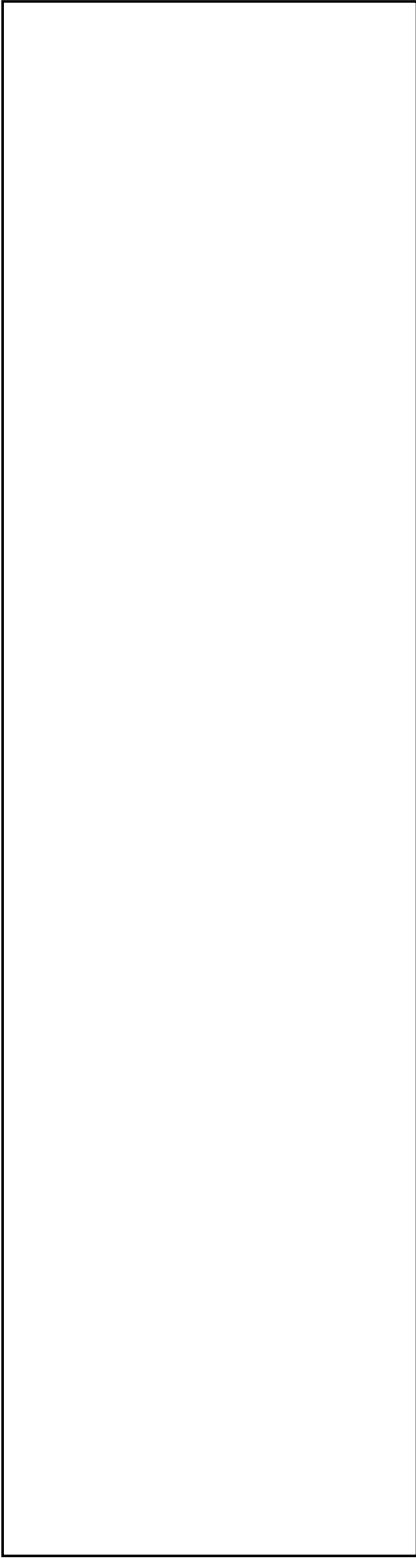
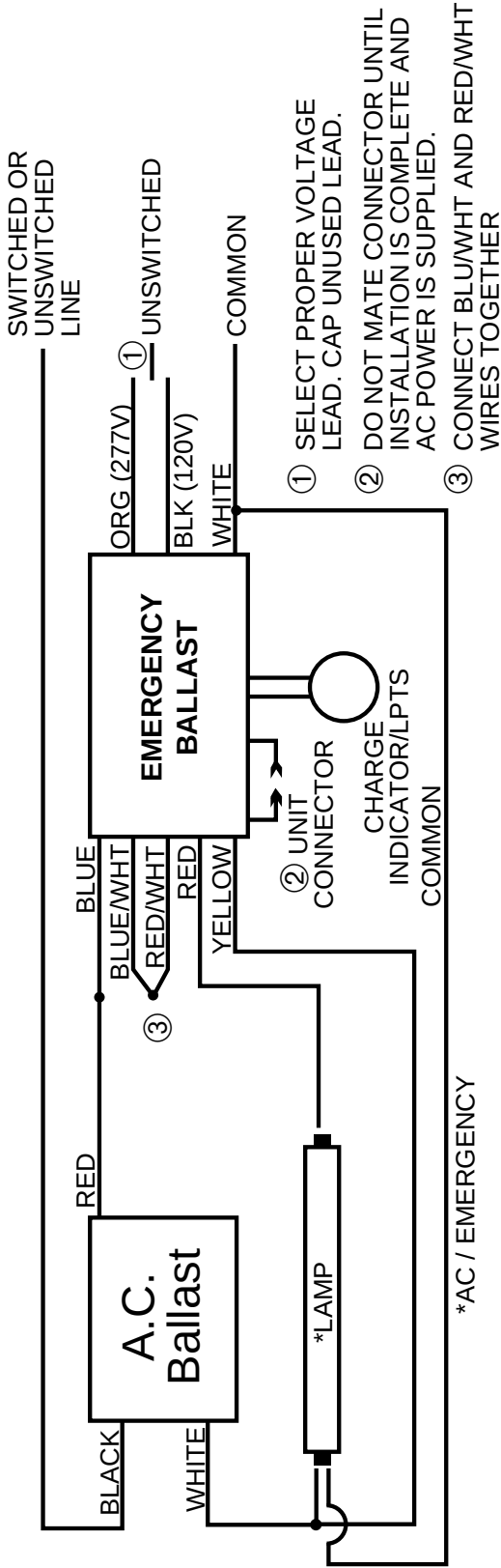
COMMON

*AC / EMERGENCY

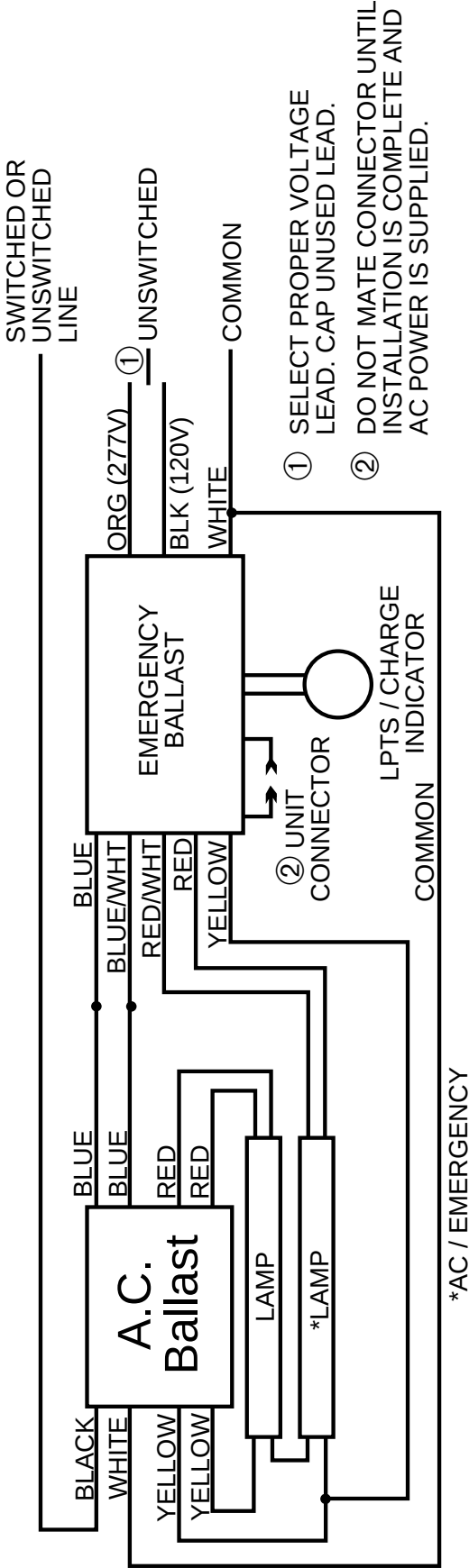
- ① SELECT PROPER VOLTAGE LEAD. CAP UNUSED LEAD.
- ② DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
- ③ CONNECT BLU/WHT AND RED/WHT WIRES TOGETHER



ONE LAMP MAGNETIC BALLAST



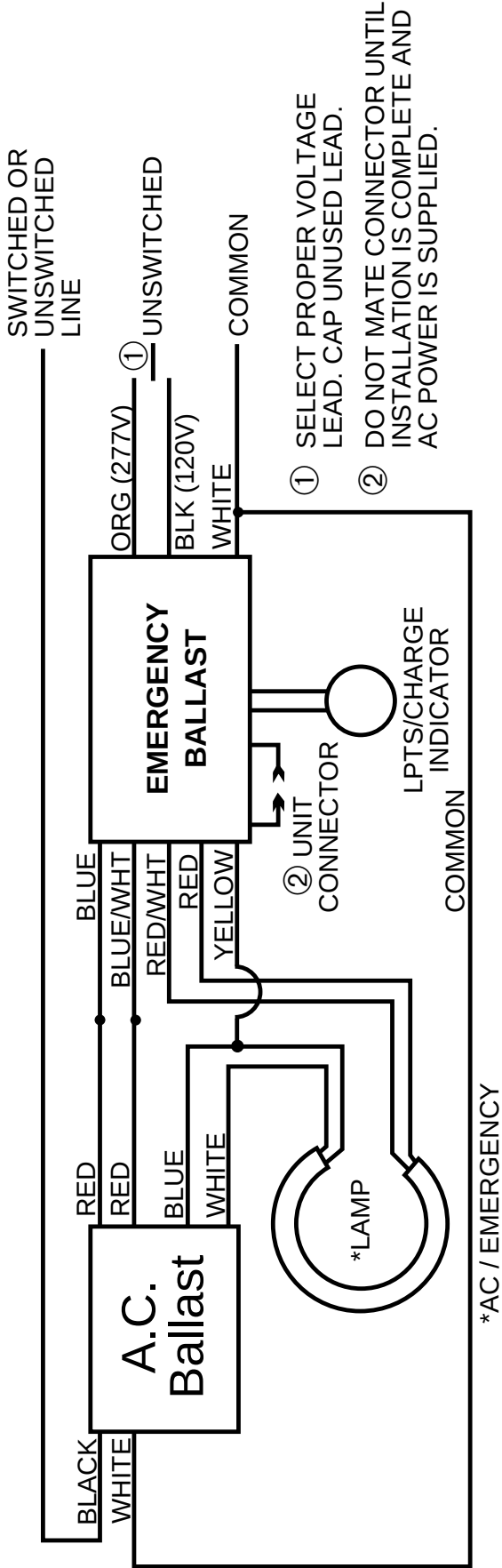
TWO LAMP RAPID START BALLAST



MAGNETEK
BT5-228/120
BT5-228/277
SYLVANIA
QT2X54PHO/120PHO
QT2X54PHO/277PHO

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

ONE LAMP CIRCLINE RAPID START BALLAST

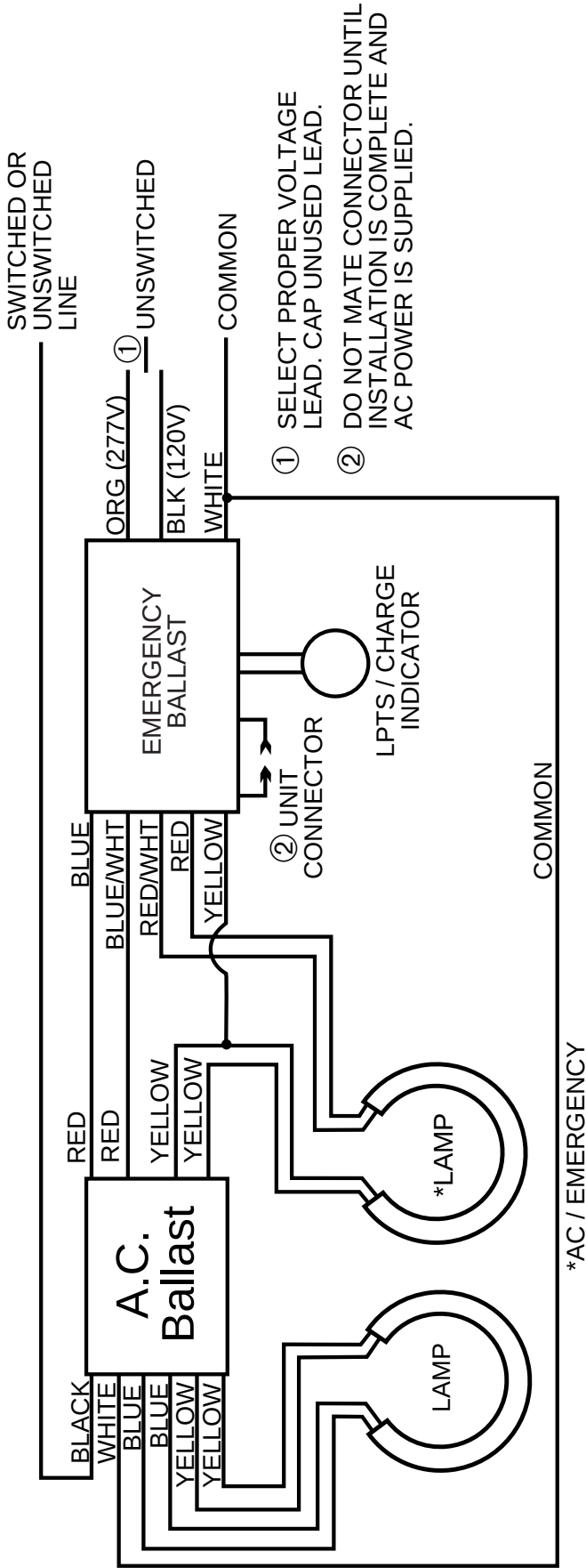


ADVANCE

RLCS-140-TP
RLQS-122-TP

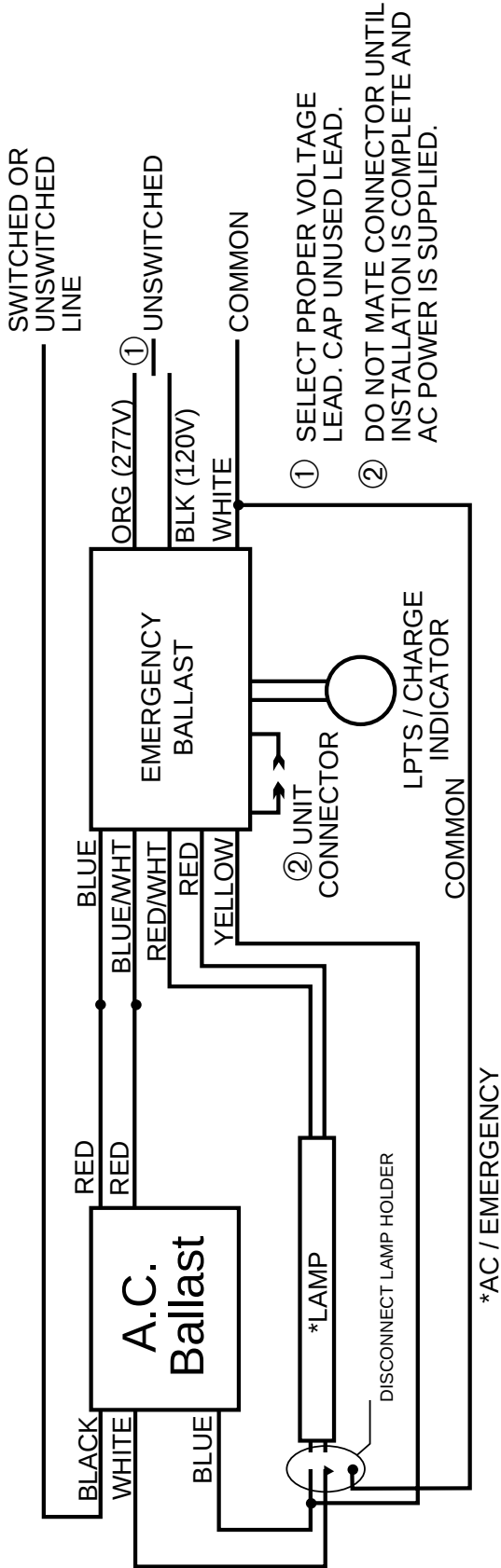
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

TWO LAMP CIRCLINE RAPID START BALLAST



1LLAG

ONE LAMP LAG BALLAST



ADVANCE

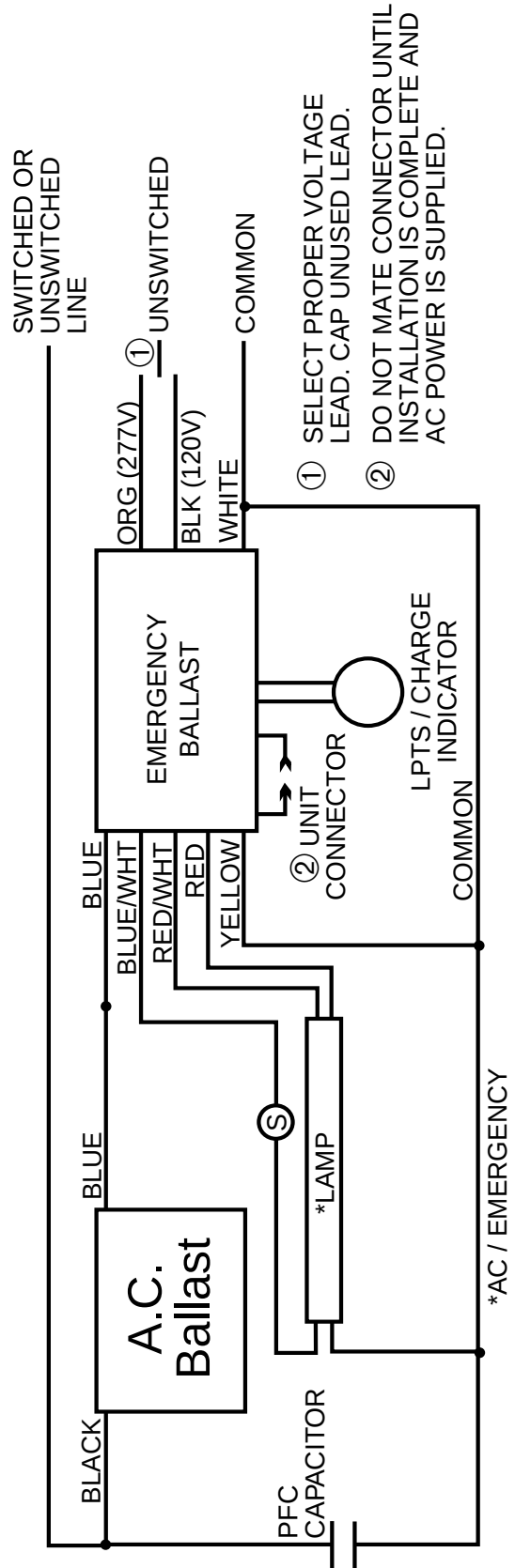
RL-140-TP

MAGNETEK

543-B

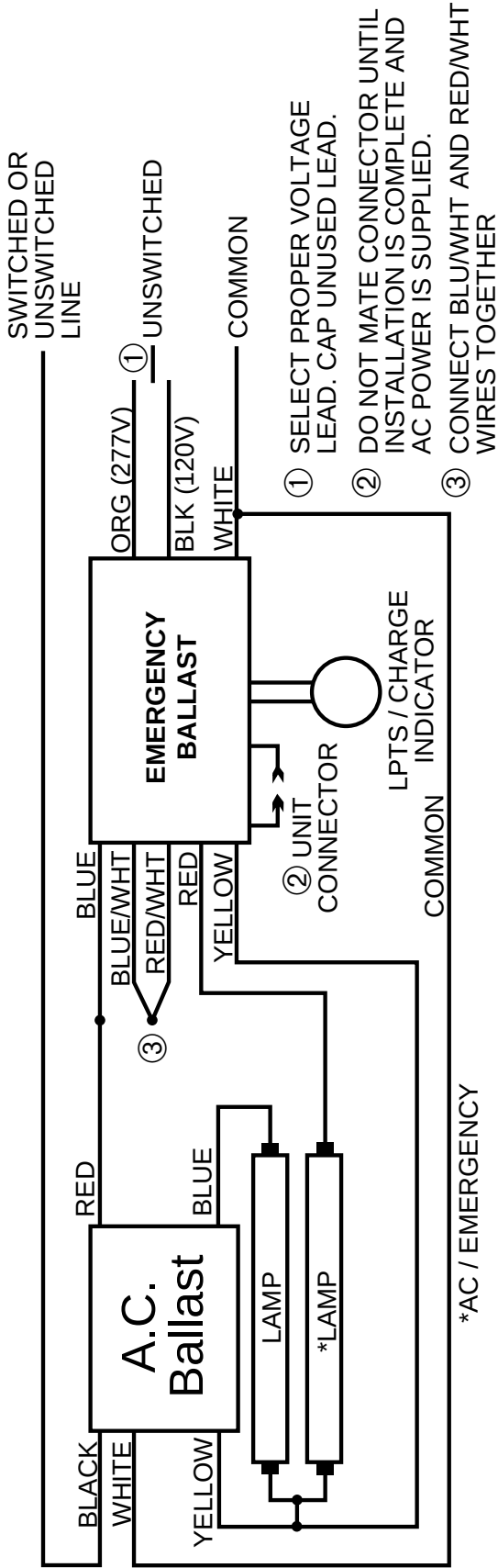
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

ONE LAMP PRE-HEAT START BALLAST



2ESLISB2

ENERGY SAVINGS TWO LAMP INSTANT START BALLAST



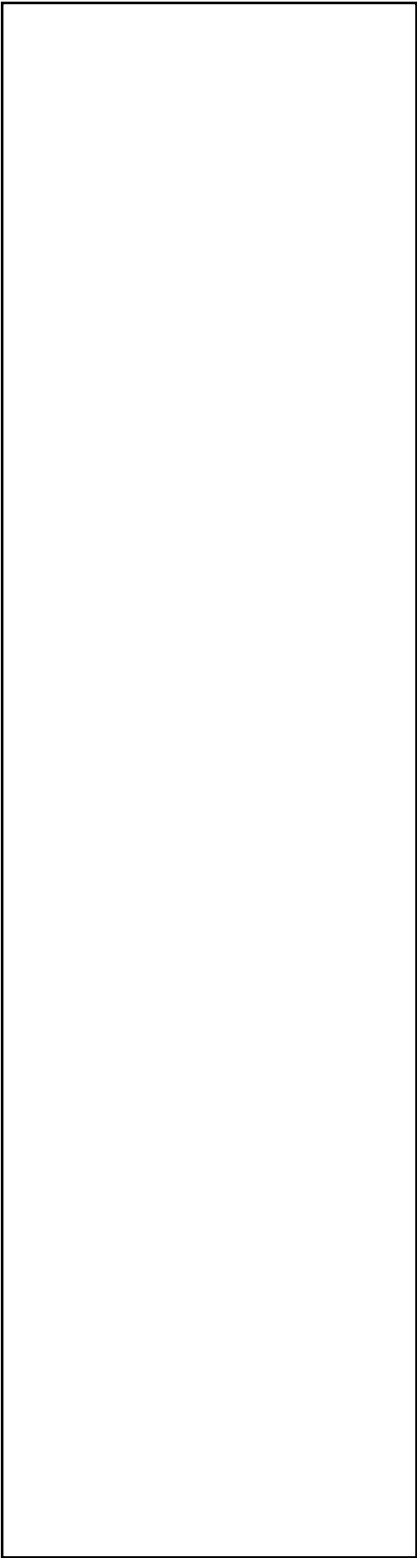
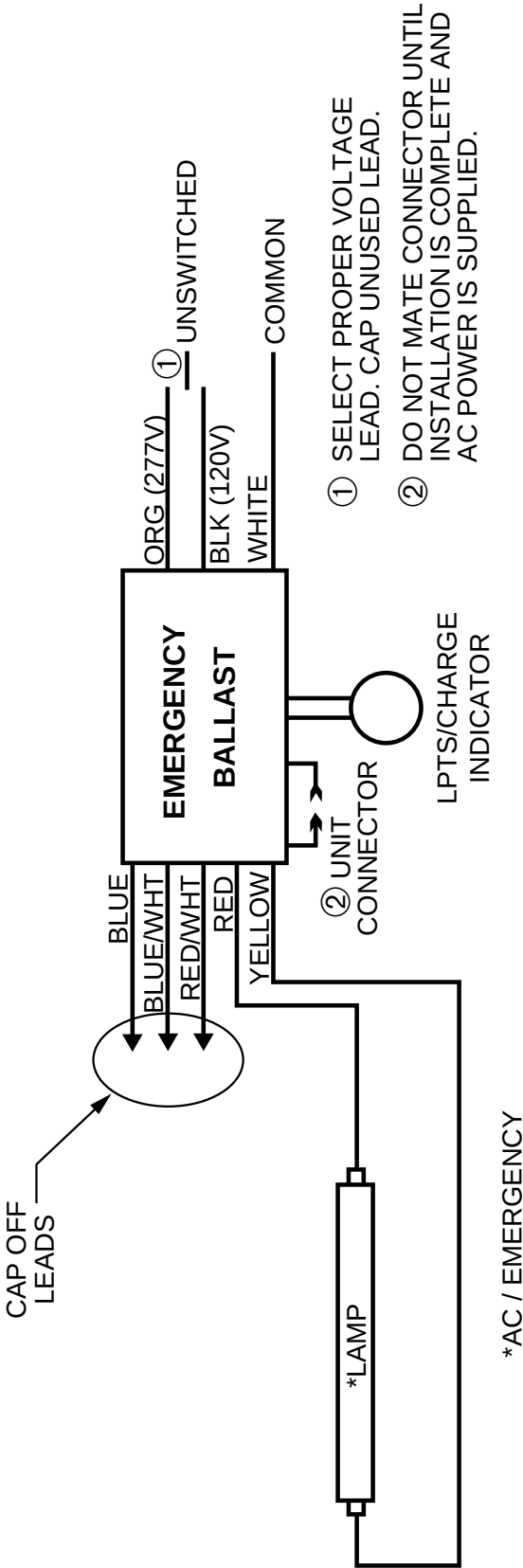
ENERGY SAVINGS

ES-2/I-1B-32/25/17/15-UNV-A-IS

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

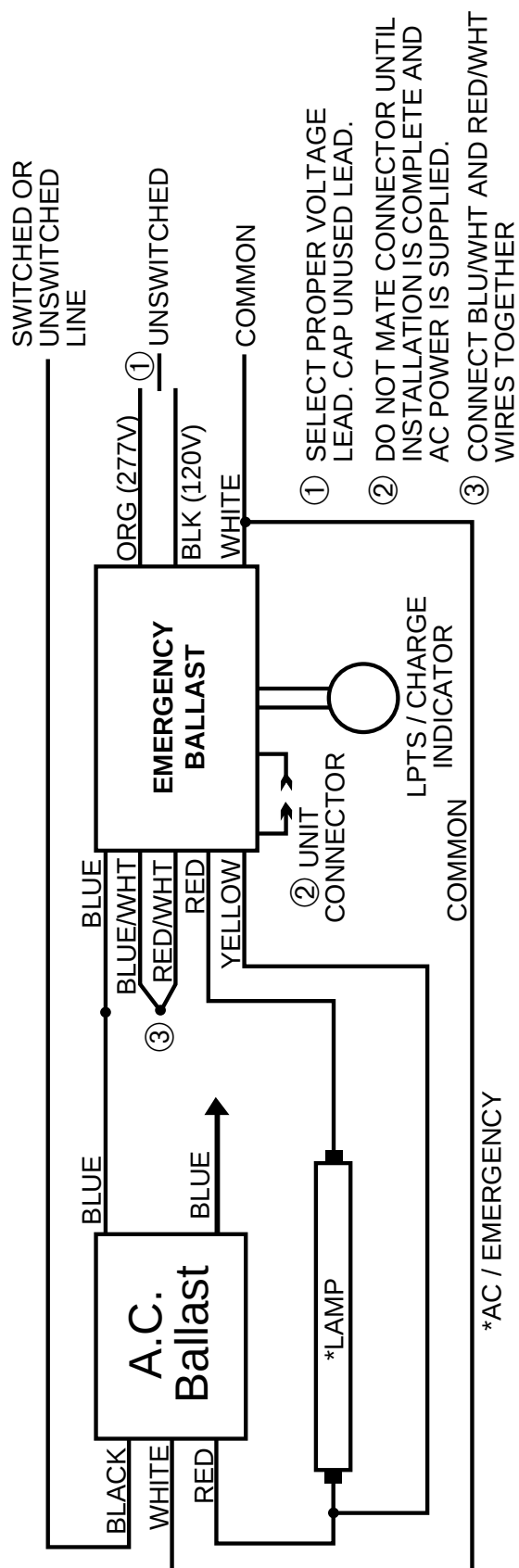
1LEO

ONE LAMP EMERGENCY ONLY



1LTB

ONE LAMP TRIAD BALLAST

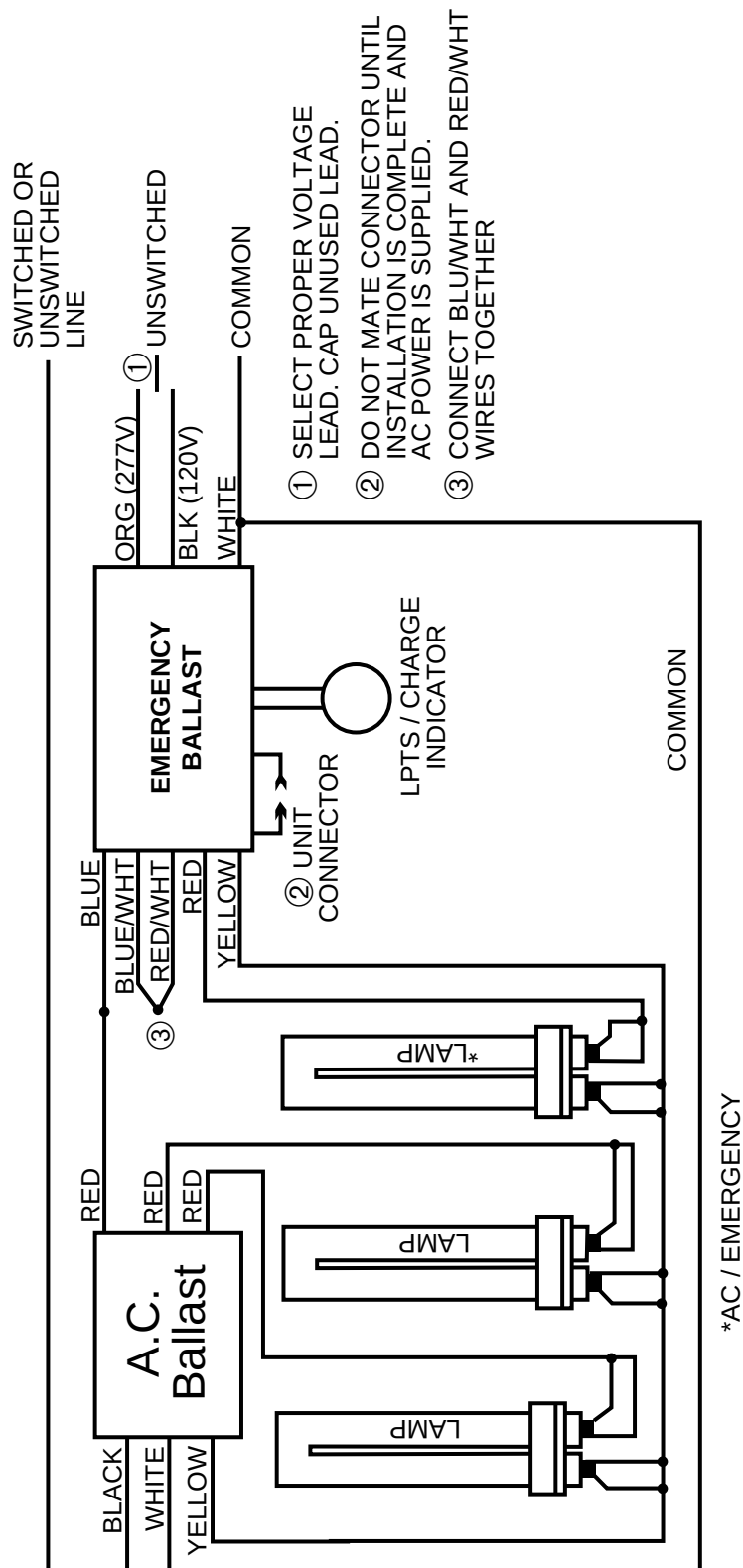


TRIAD

B240| 120/277

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

FULHAM WORKHORSE BALLAST



FULHAM

WH4-120-L
WH4-277-L
WH5-120-L
WH5-277-L
WH6-120-L
WH6-277-L

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

SWITCHED OR
UNSWITCHED
LINE

BLACK
WHITE

YELLOW
BLUE
BLUE
BLUE

**A.C.
Ballast**

LAMP
LAMP
*LAMP

YELLOW
BLUE/WHT
RED/WHT
RED
BLUE

**EMERGENCY
BALLAST**

ORG (277V)
BLK (120V)
WHITE

① UNSWITCHED
COMMON

② UNIT
CONNECTOR

LPTS / CHARGE
INDICATOR

COMMON

① SELECT PROPER VOLTAGE
LEAD. CAP UNUSED LEAD.

② DO NOT MATE CONNECTOR UNTIL
INSTALLATION IS COMPLETE AND
AC POWER IS SUPPLIED.

③ CONNECT BLU/WHT AND RED/WHT
WIRES TOGETHER

*AC / EMERGENCY

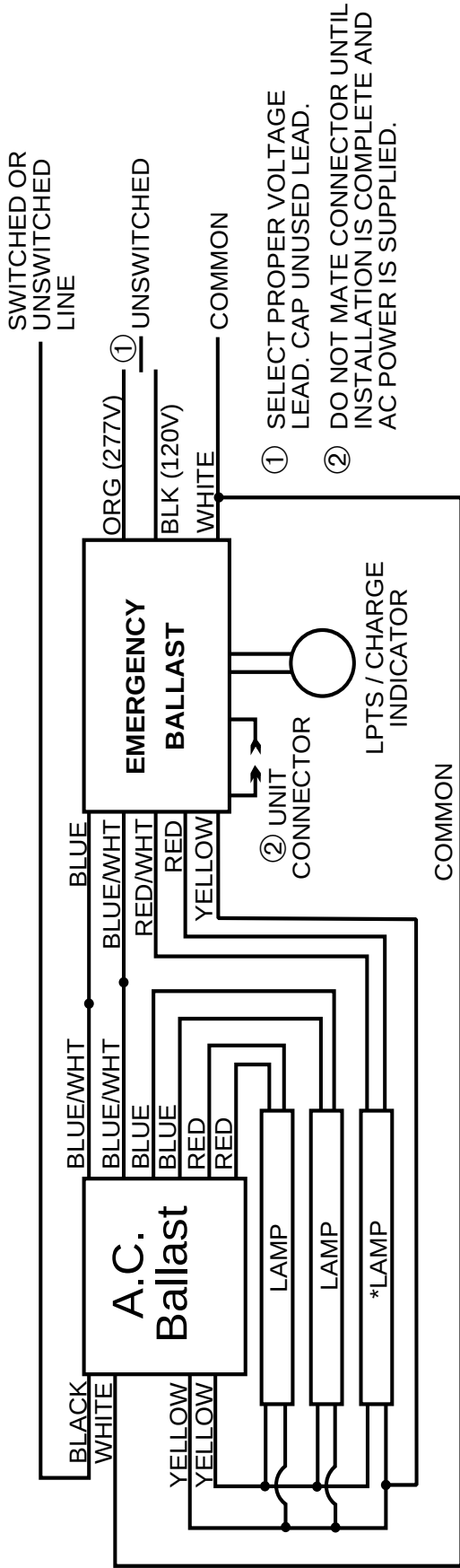
*AC / EMERGENCY

ADVANCE

VCN 3P32

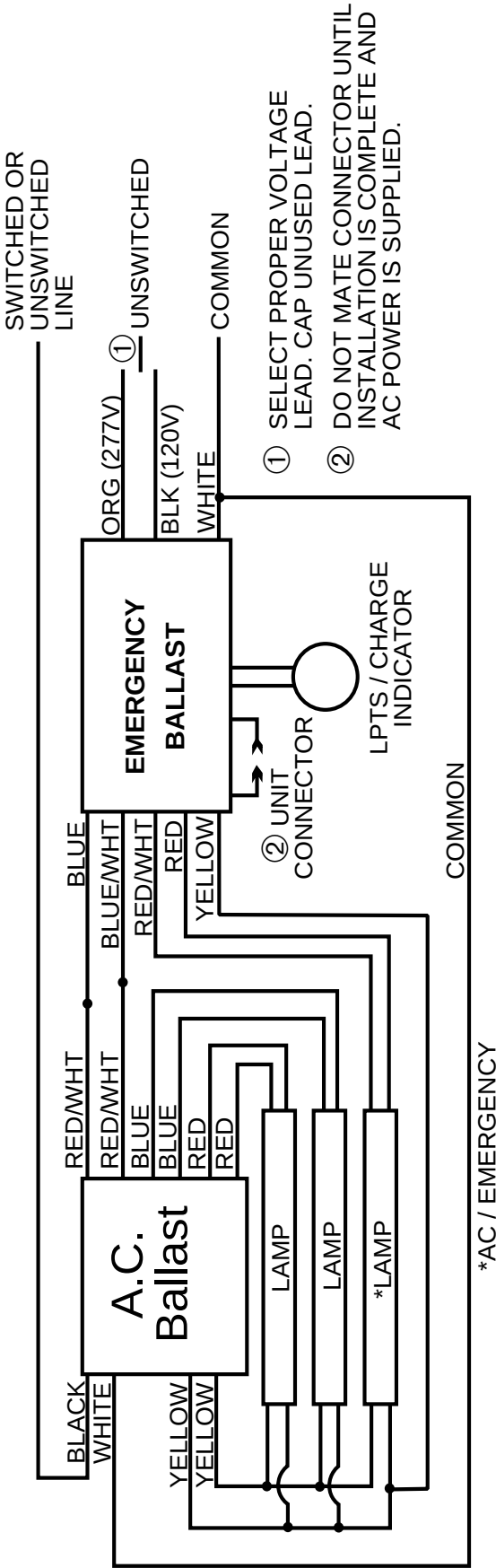
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY
EM PACK

THREE LAMP RAPID START BALLAST



3LRSB3

THREE LAMP RAPID START BALLAST

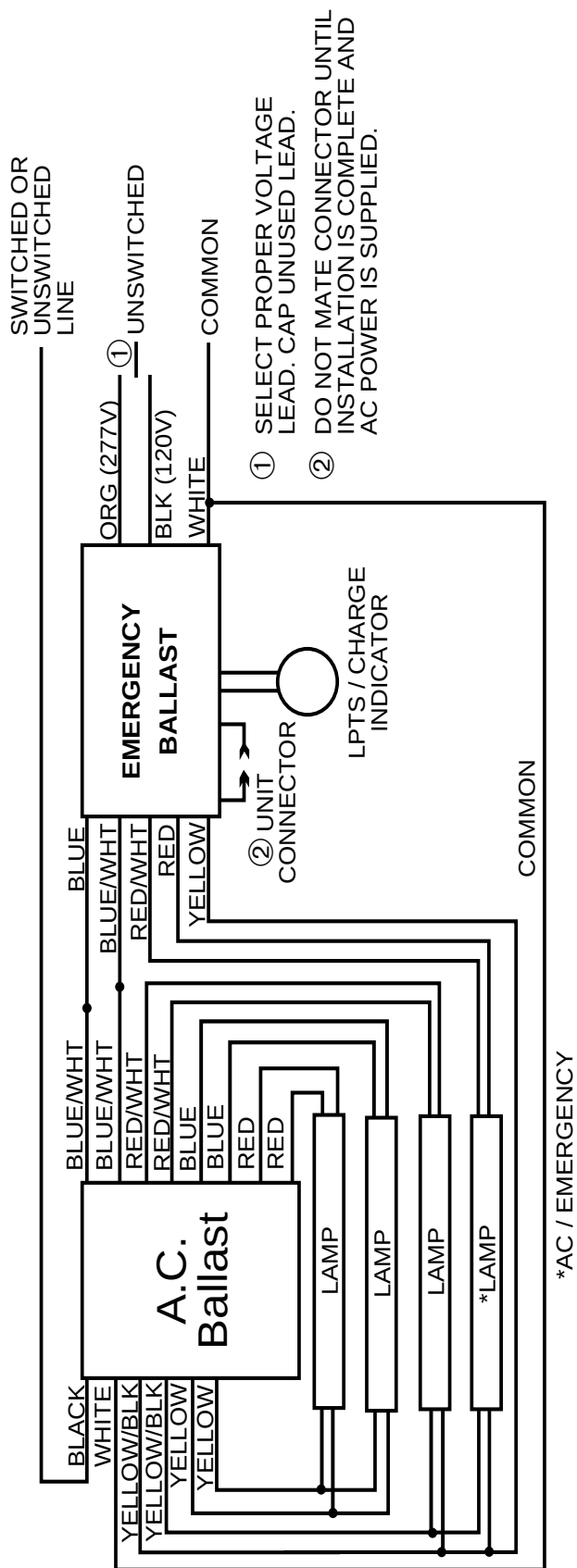


MAGNETEK

B332-R277HP
B332-R120HP

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

FOUR LAMP RAPID START BALLAST



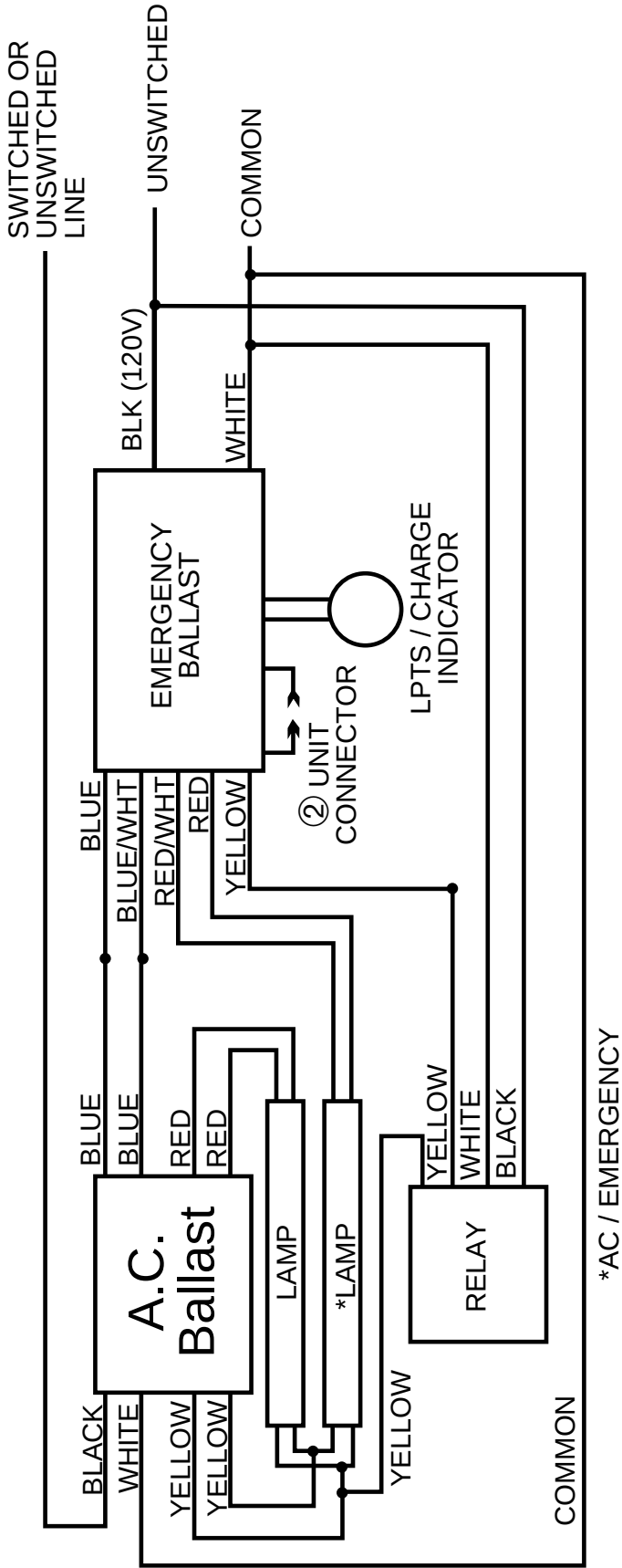
MAGNETEK

B432 R277 HP

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

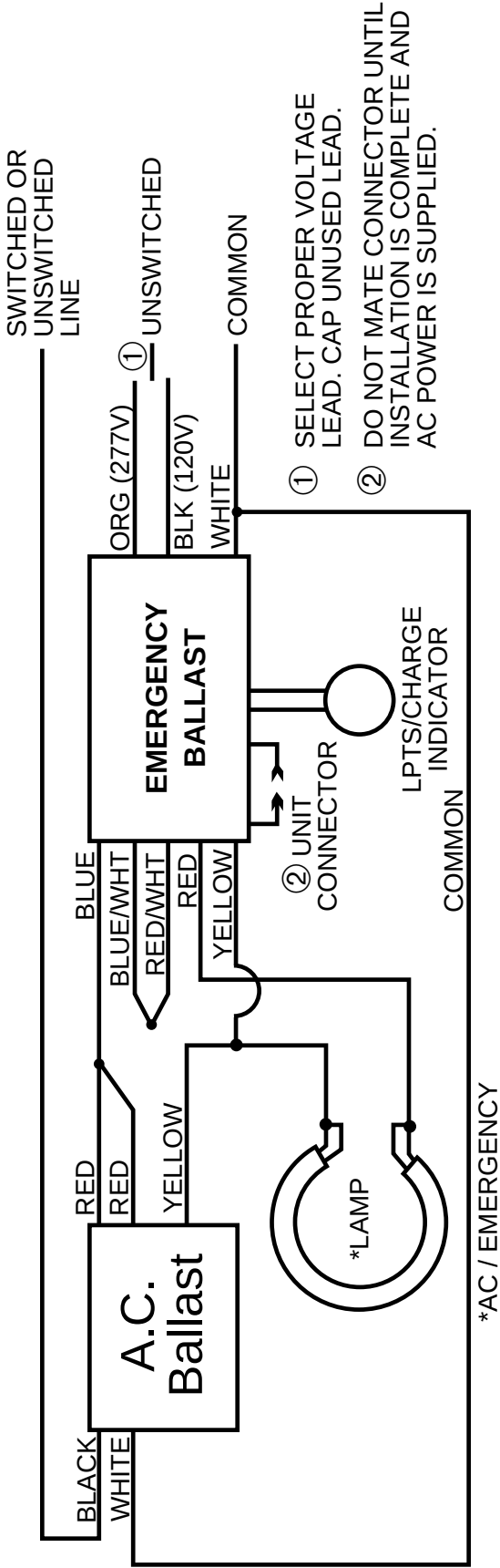
2LRSBWR

TWO LAMP RAPID START BALLAST WITH RELAY



ADVANCE
RIC/MIC-2S32 REZ/VEZ-2S32 RZT/VZT-2S32*
LUTRON
ECO-T832-120/277-2* FDB-4827-120/277-2*
MAGNETEK
B232 R277 HP
MOTOROLA
M2-RH-T8-1LL-B-120/277 M2-RL-T8-1LL-A-120/277 M2-RN-T12-1LL-B-120/277 M2-RN-T8-10C-B-120/277 M2-RN-T8-1LL-D-120/277
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED. *DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

ONE LAMP CIRCLINE INSTANT START BALLAST

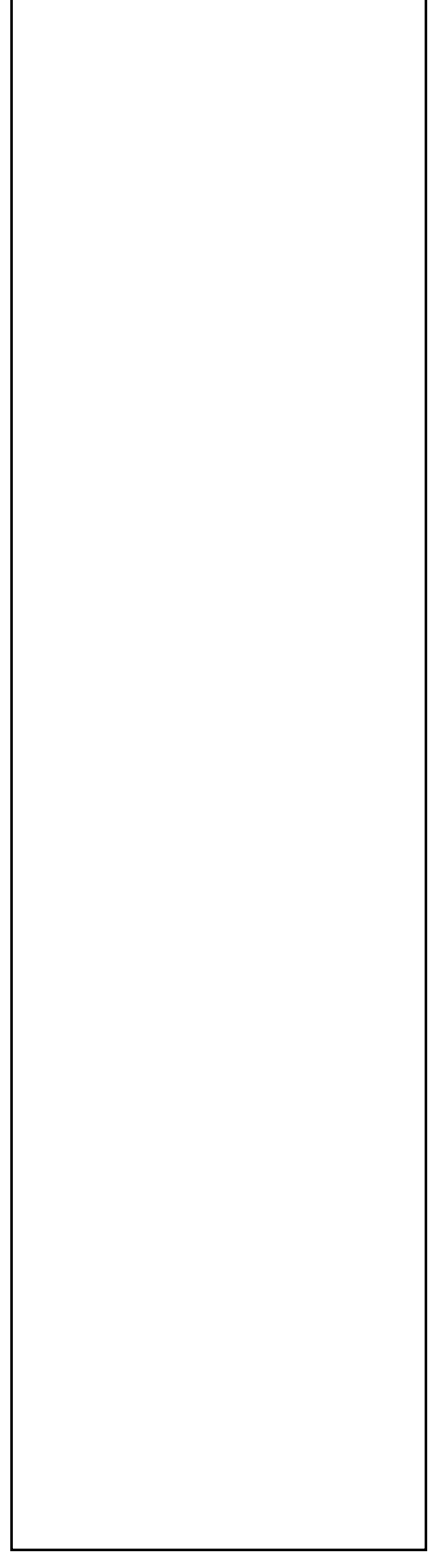
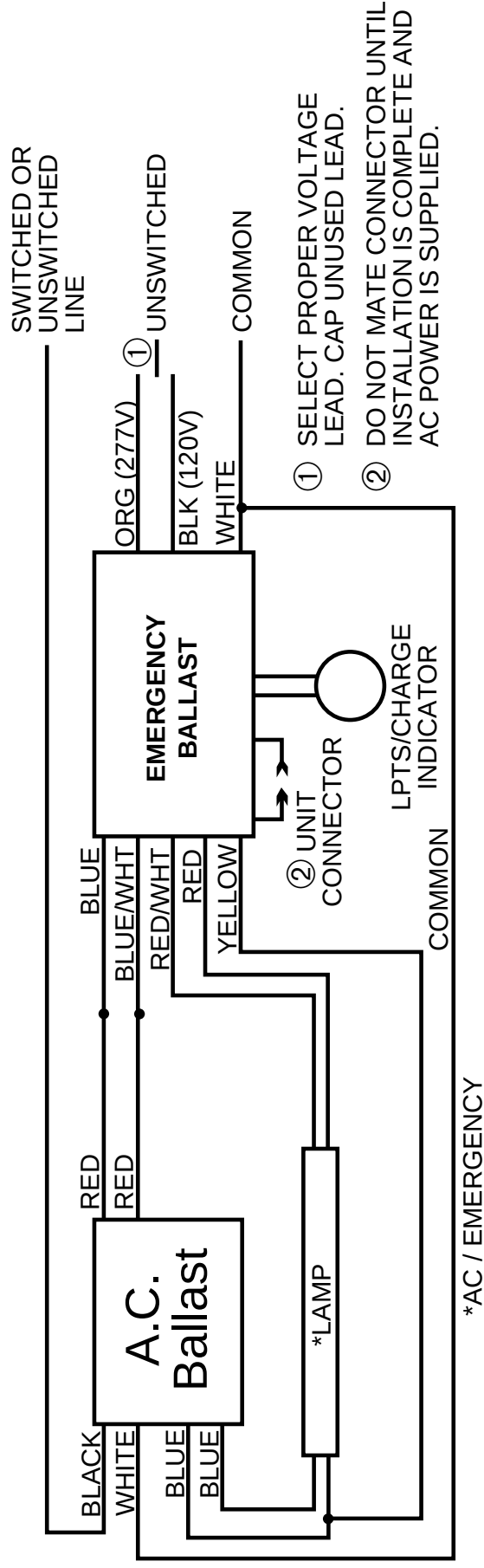


FULLHAM

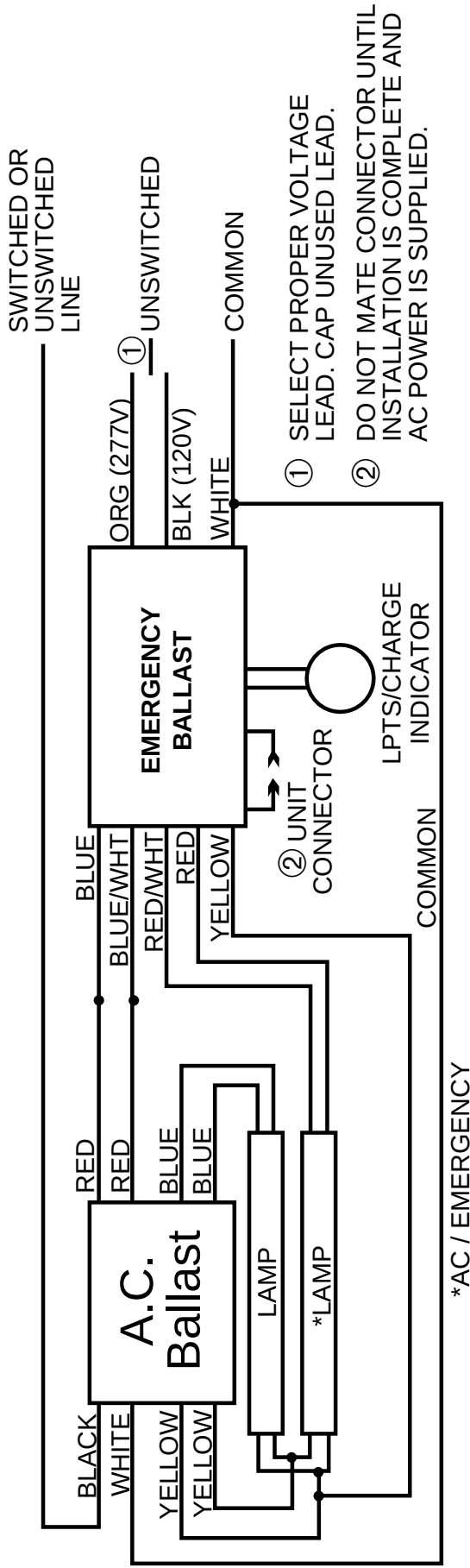
WH3

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

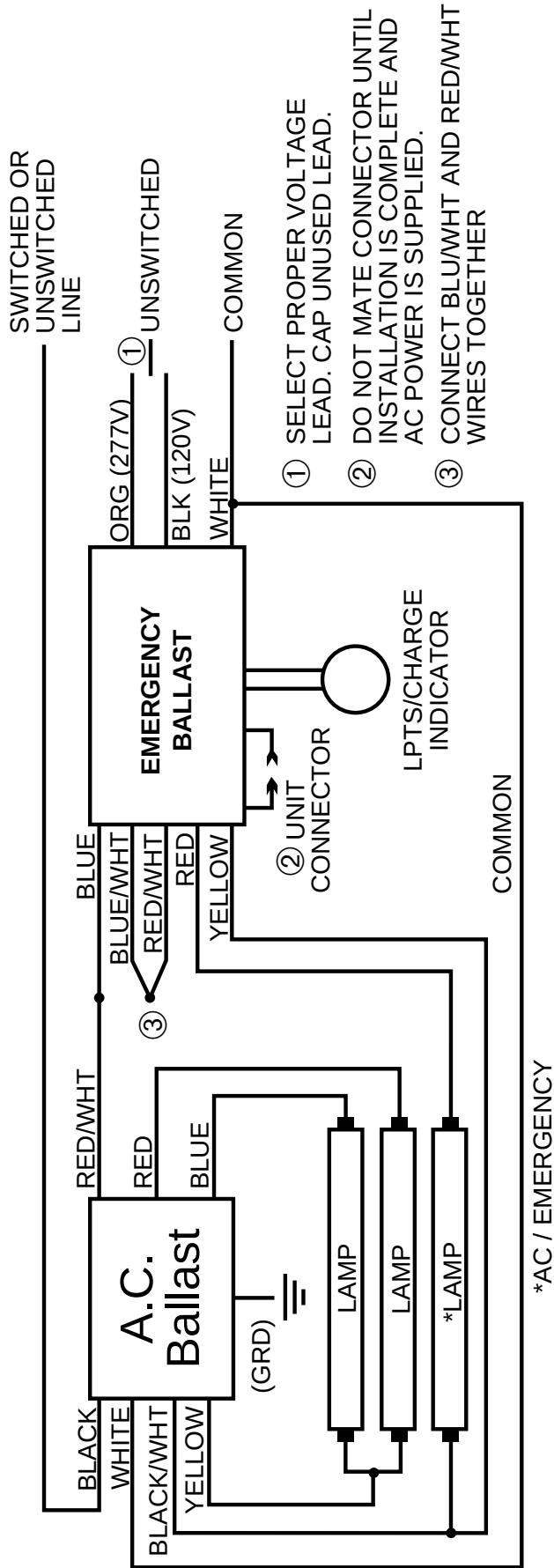
ONE LAMP RAPID START BALLAST



TWO LAMP RAPID START BALLAST



THREE LAMP INSTANT START BALLAST

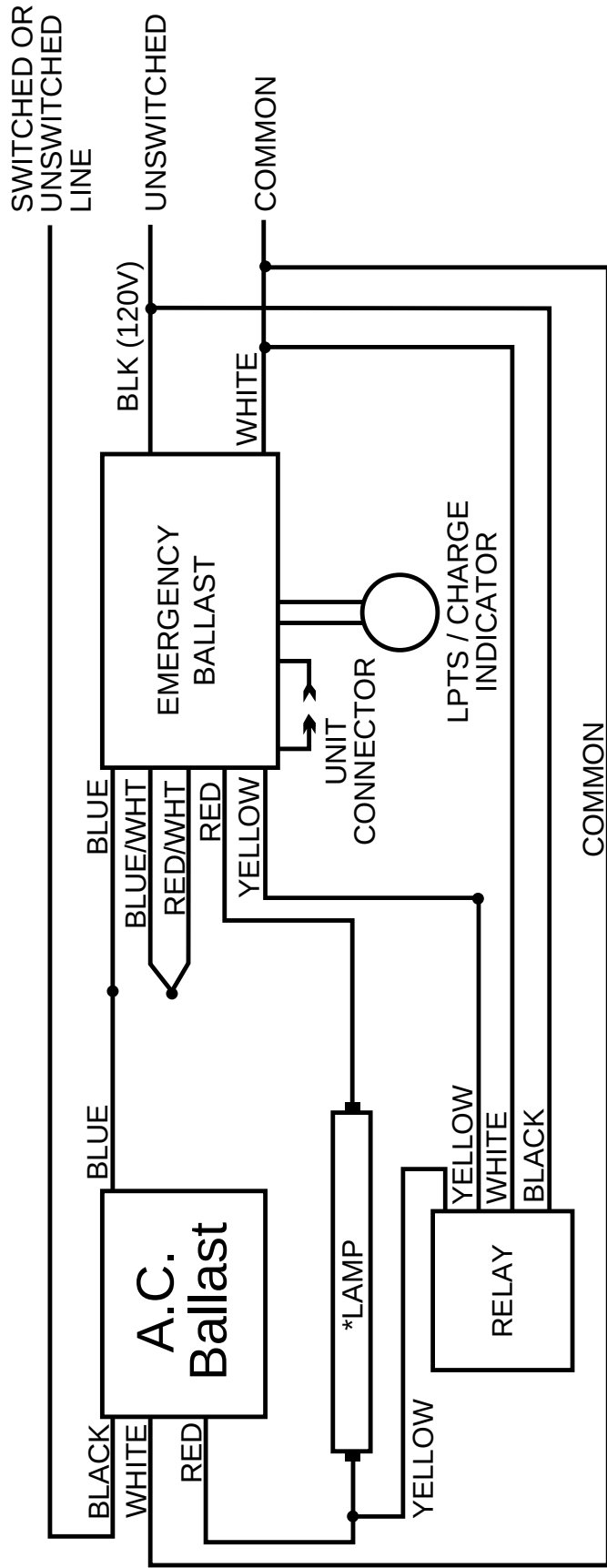


ENERGY SAVINGS

ES-4/3-T8-32/25/17-UNV-B-IS

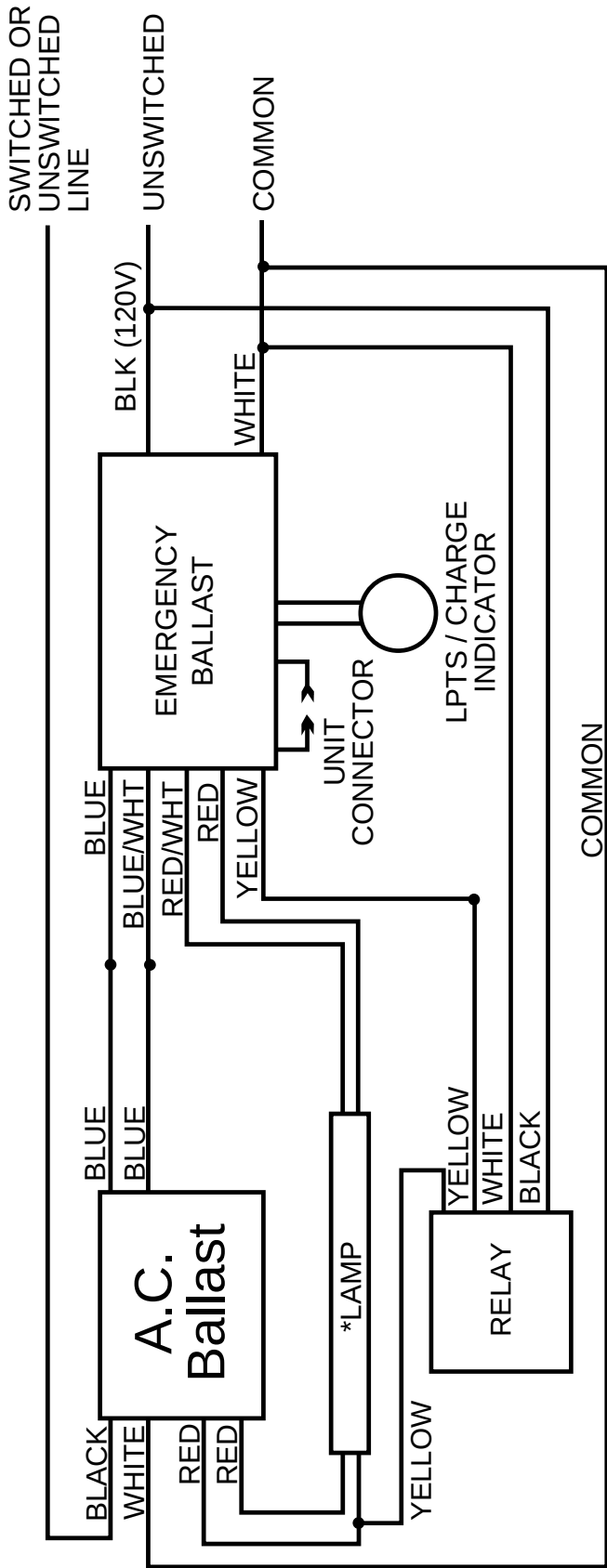
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

ONE LAMP INSTANT START BALLAST WITH RELAY



*AC / EMERGENCY

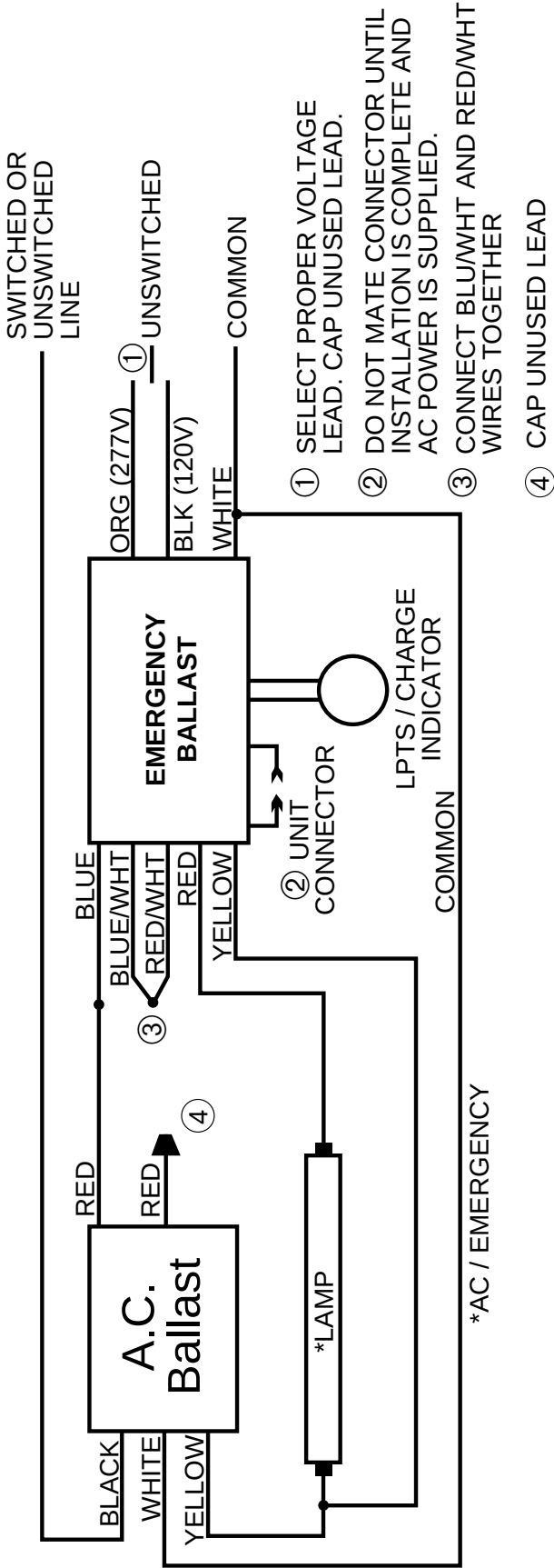
ONE LAMP RAPID START BALLAST WITH RELAY



*AC / EMERGENCY

1LISB_F

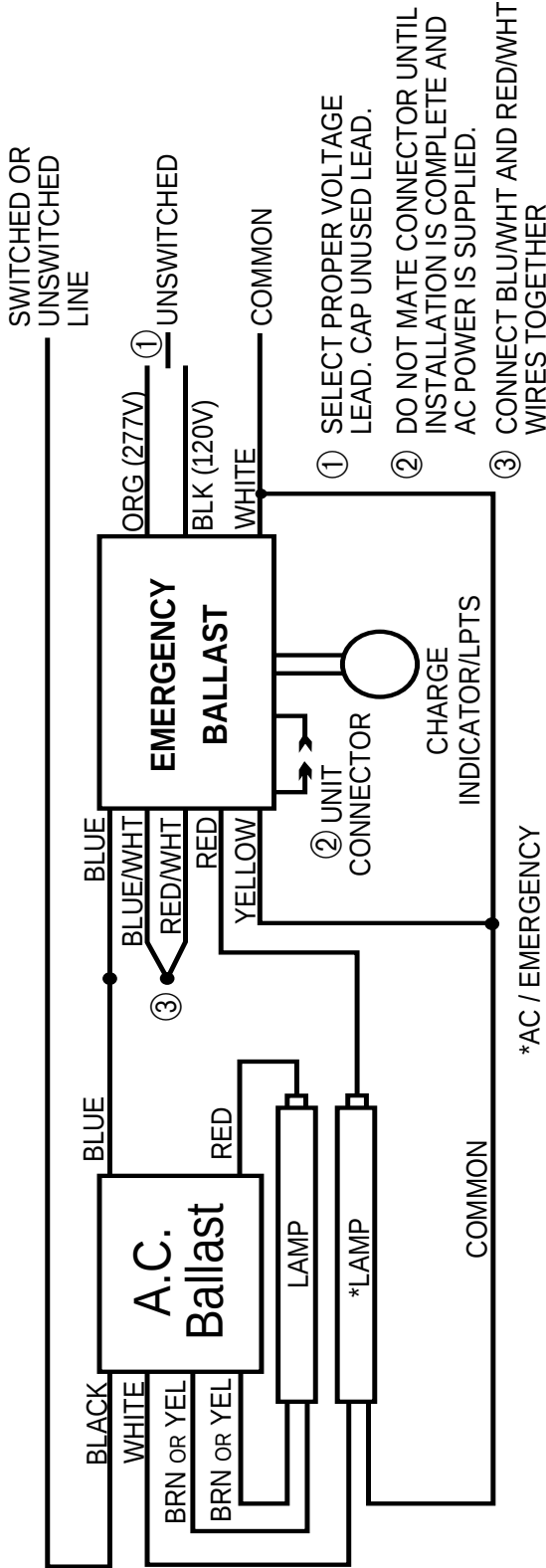
ONE LAMP INSTANT START FULLHAM BALLAST



FULLHAM
WORKHORSE IV

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

TWO LAMP SERIES LEAD BALLAST

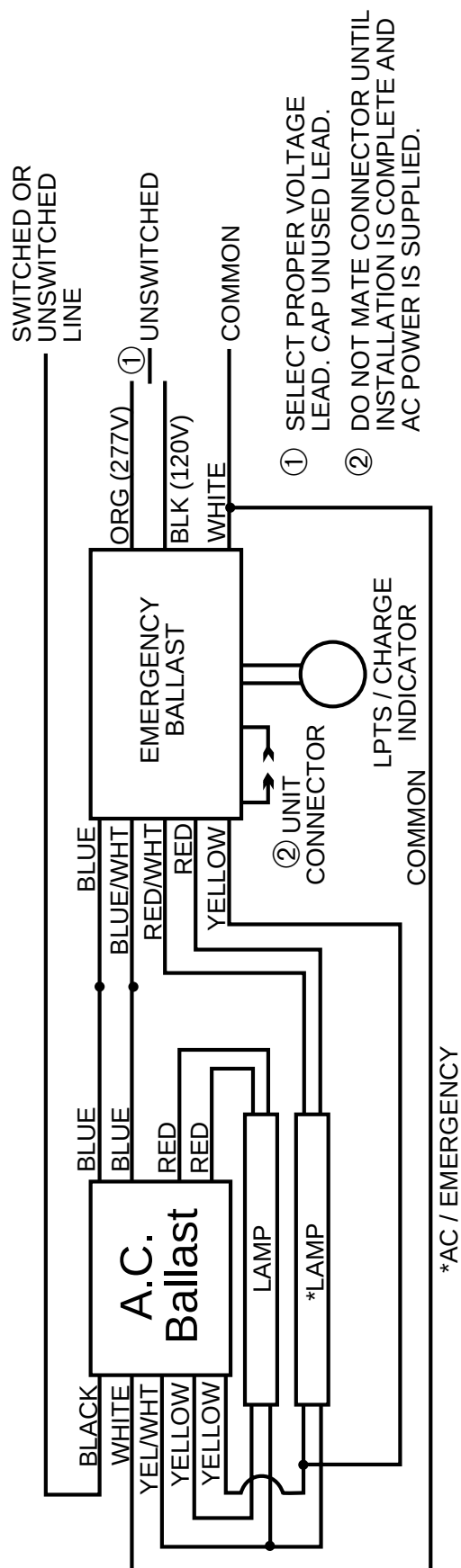


ADVANCE

VSM-2E75S5-TP

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

TWO LAMP RAPID START BALLAST

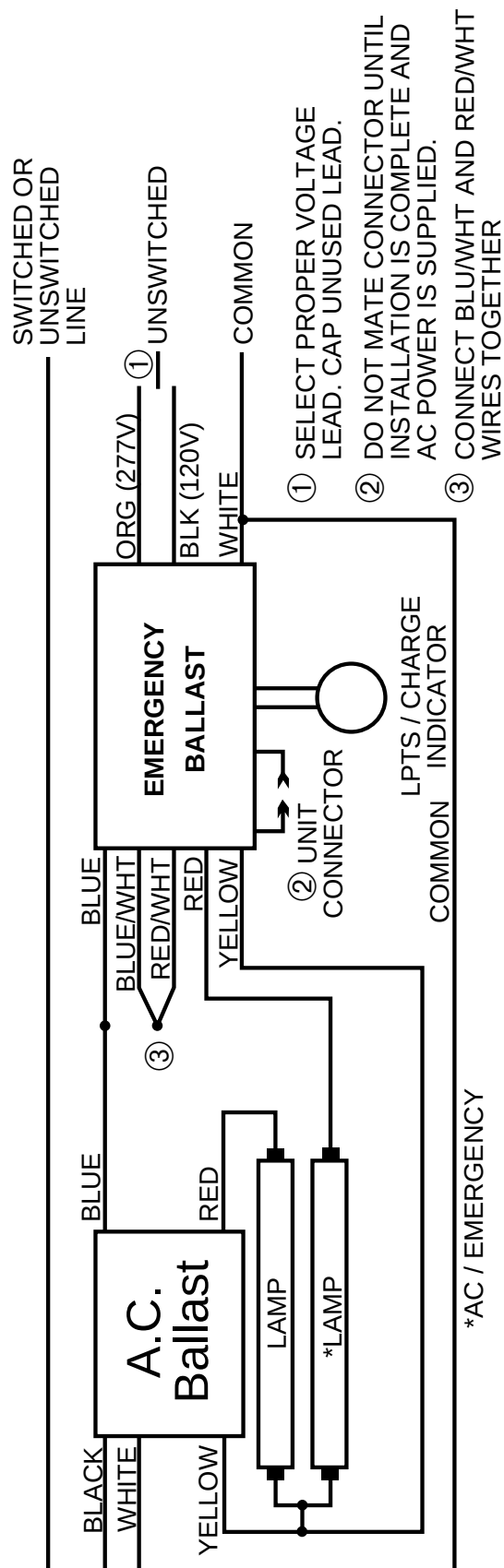


SYLVANIA

QT2X54PH0/277PH0-DIM

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

TWO LAMP INSTANT START BALLAST

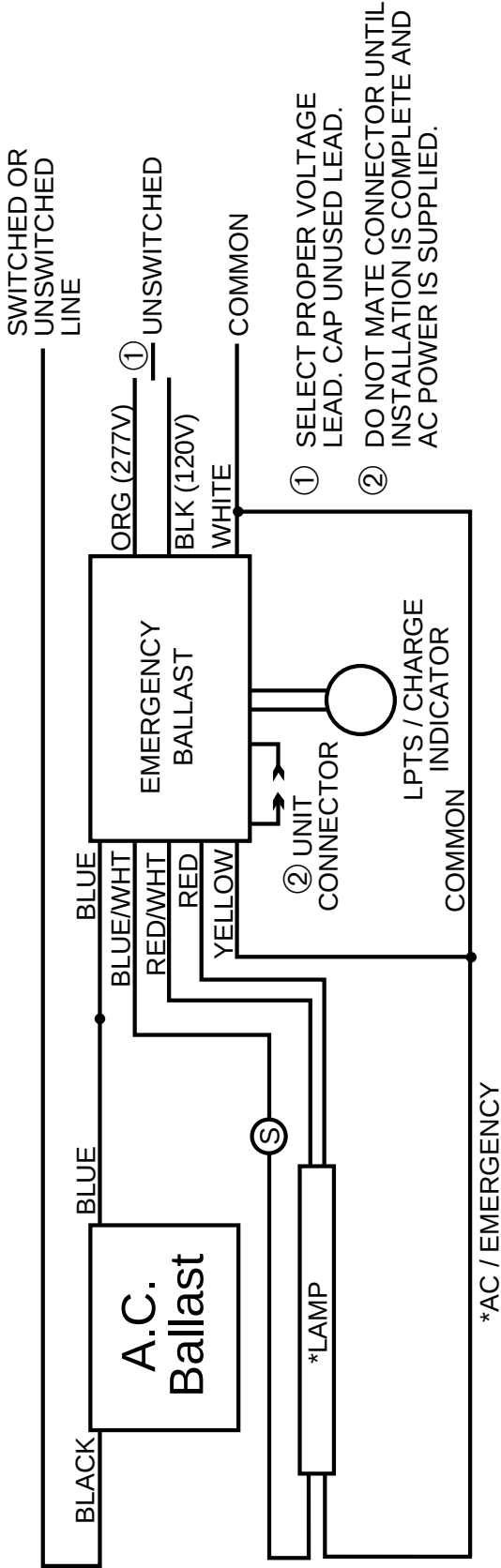


ENERGY SAVINGS

ES-2/1-T8-32/25/17/15-UNV-A-IS

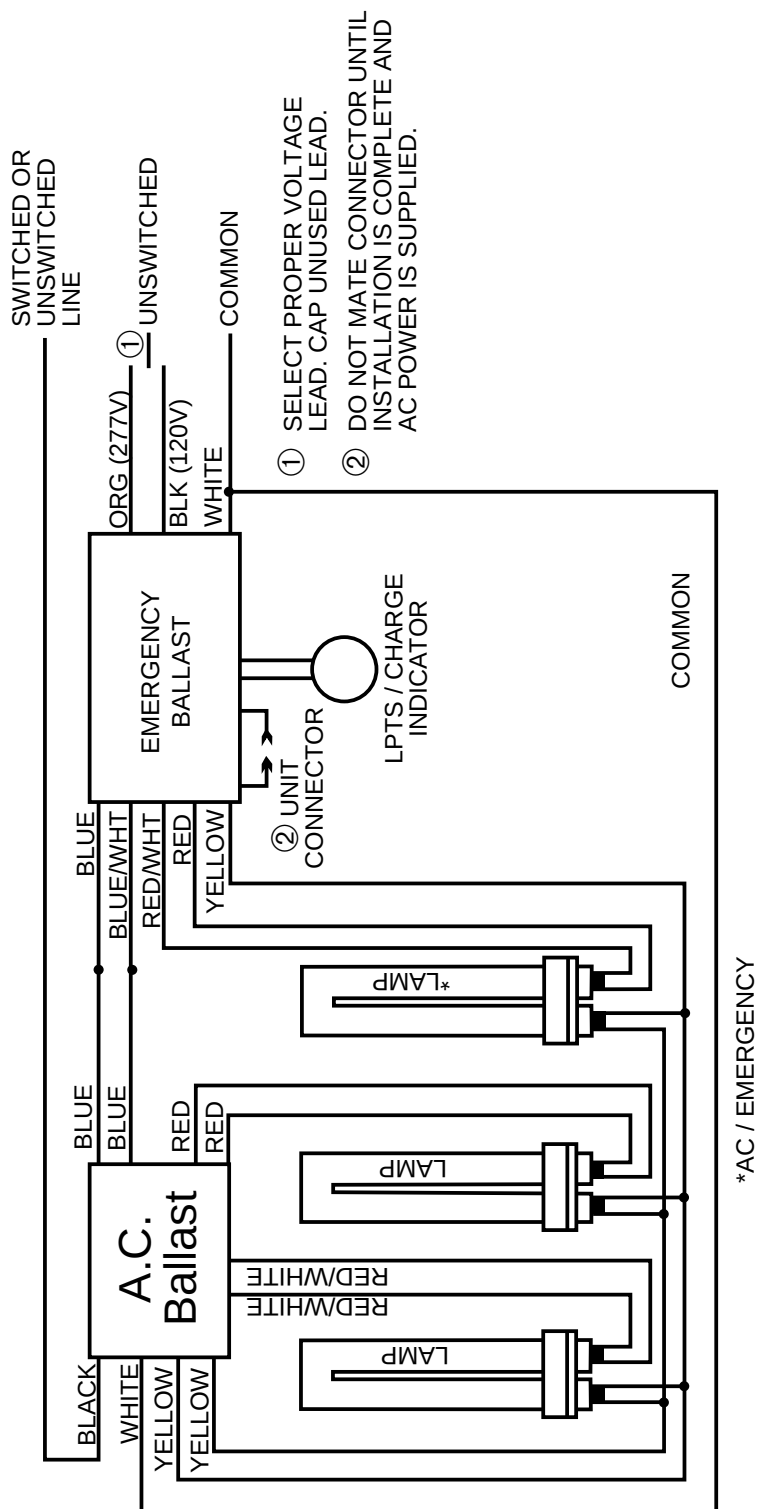
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY
EM PACK

ONE LAMP PRE-HEAT START BALLAST



ADVANCE
LC-14-20-C

THREE BIAX RAPID START BALLAST

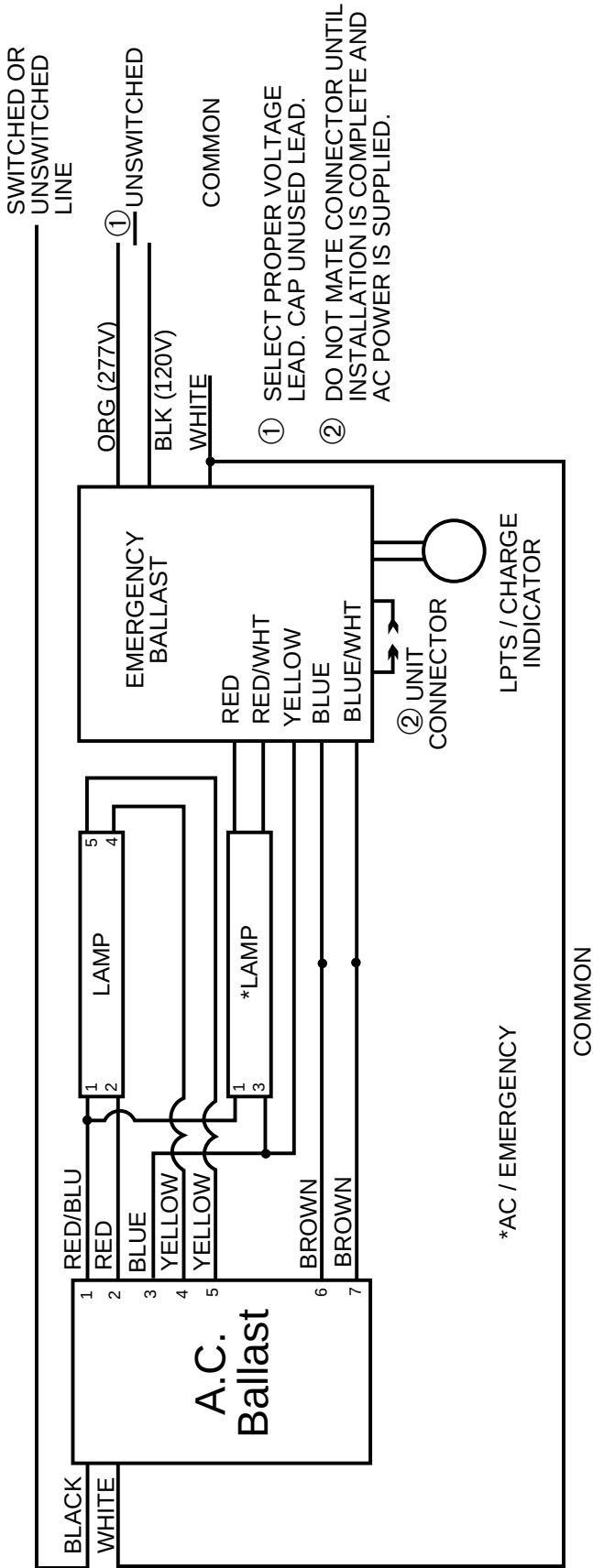
**MAGNETEK**

B340-R120 HP
B340-R277 HP

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

2LRSB_ACE

TWO LAMP RAPID START BALLAST



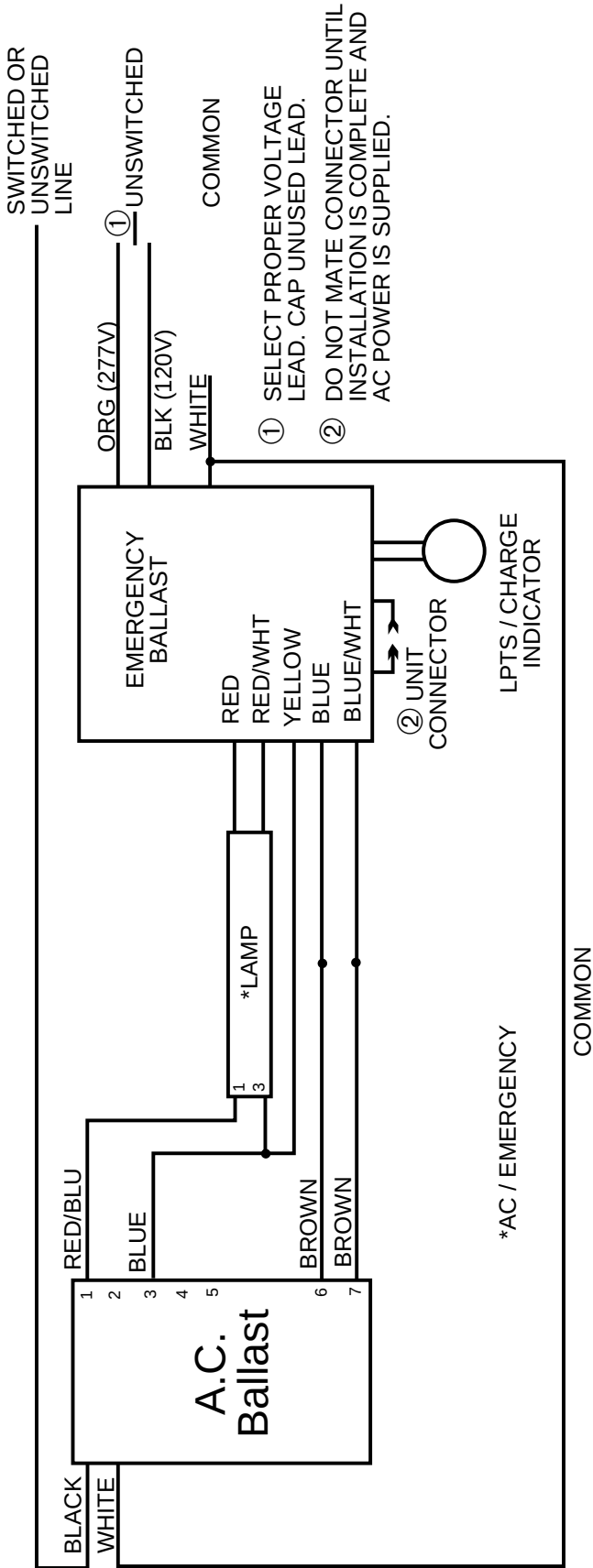
ANTRON / ACE

EPD-A54T5

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

1LRSB_ACE

ONE LAMP RAPID START BALLAST

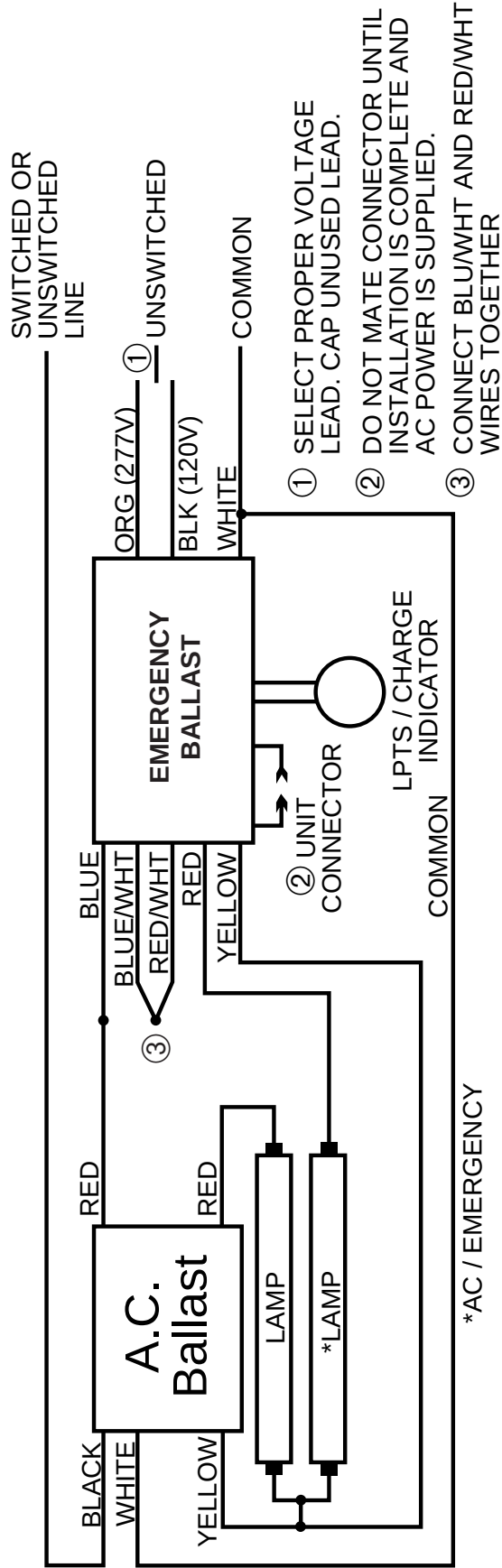


ANTRON / ACE

EPD-A54T5

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

TWO LAMP INSTANT START BALLAST



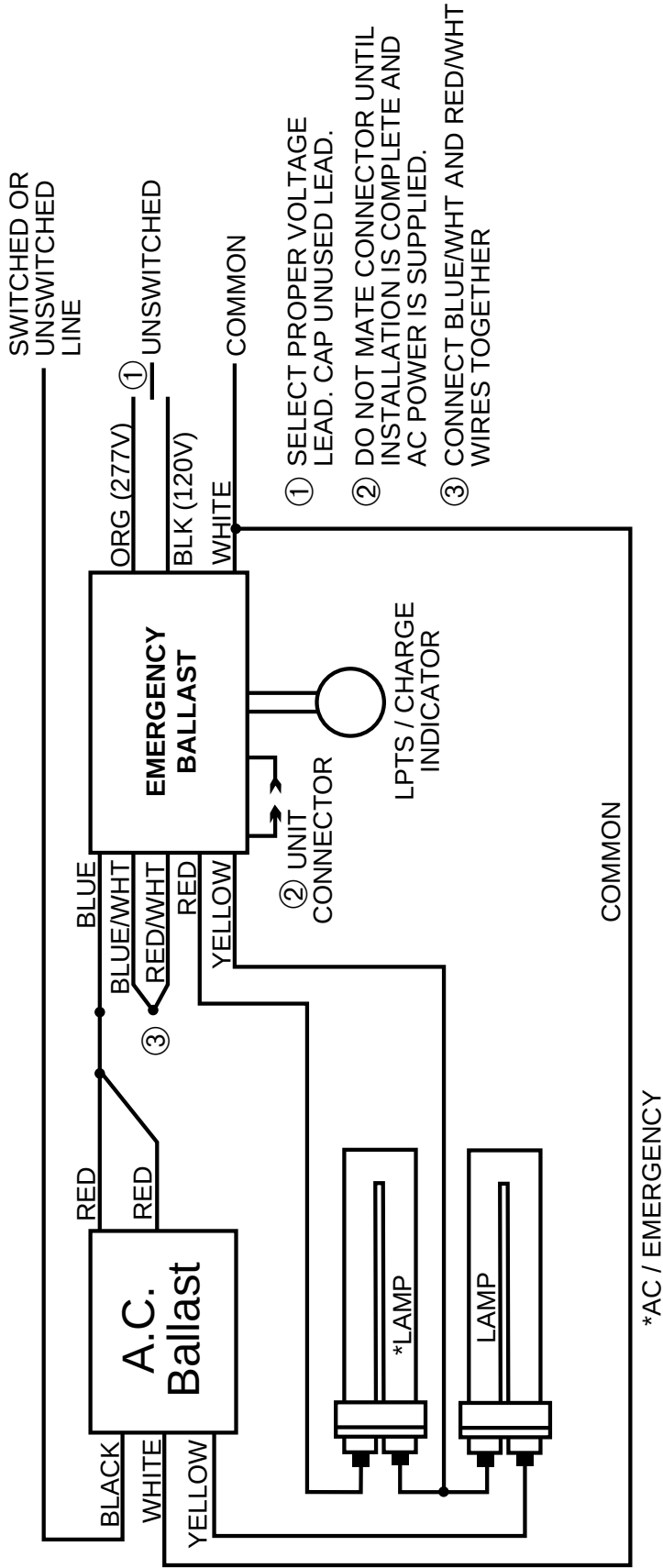
FULLHAM

WORKHORSE 3
WORKHORSE 4

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

2LISBX_FB

TWO BIAx LAMP INSTANT START FULLHAM BALLAST

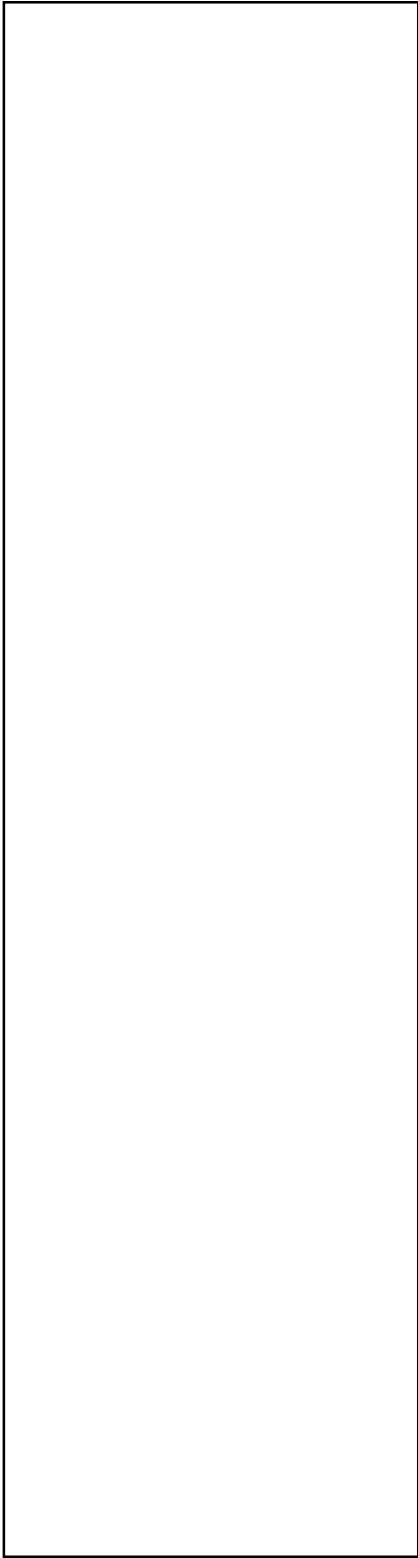
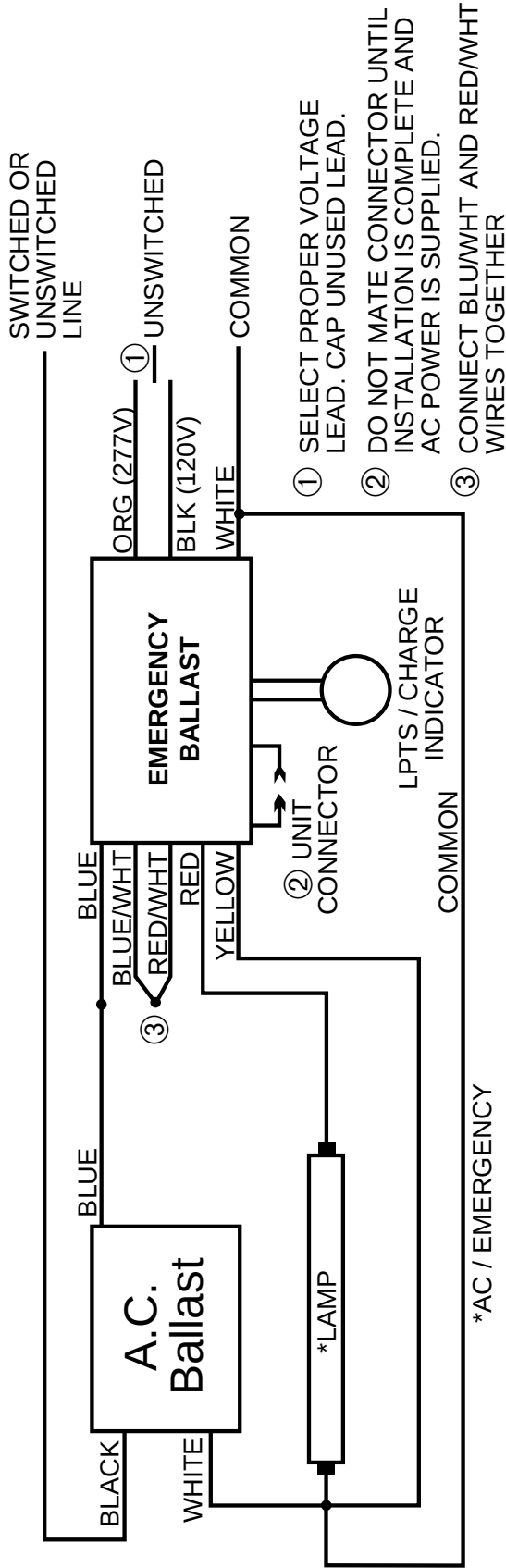


FULLHAM

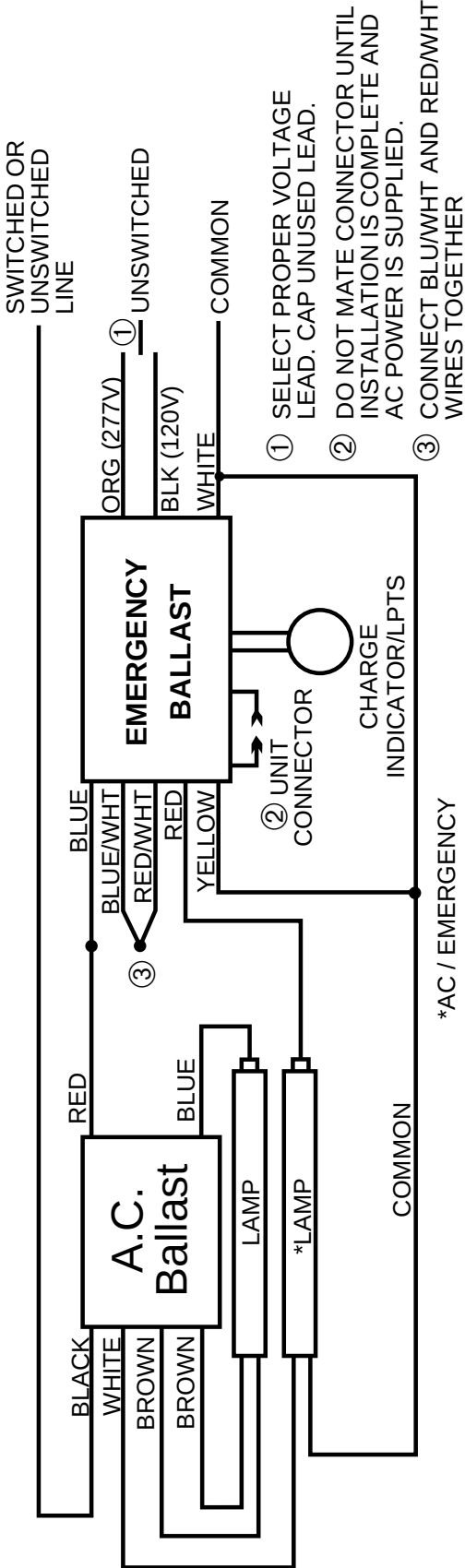
WORKHORSE IV

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

ONE LAMP INSTANT START BALLAST



TWO LAMP SERIES LEAD BALLAST

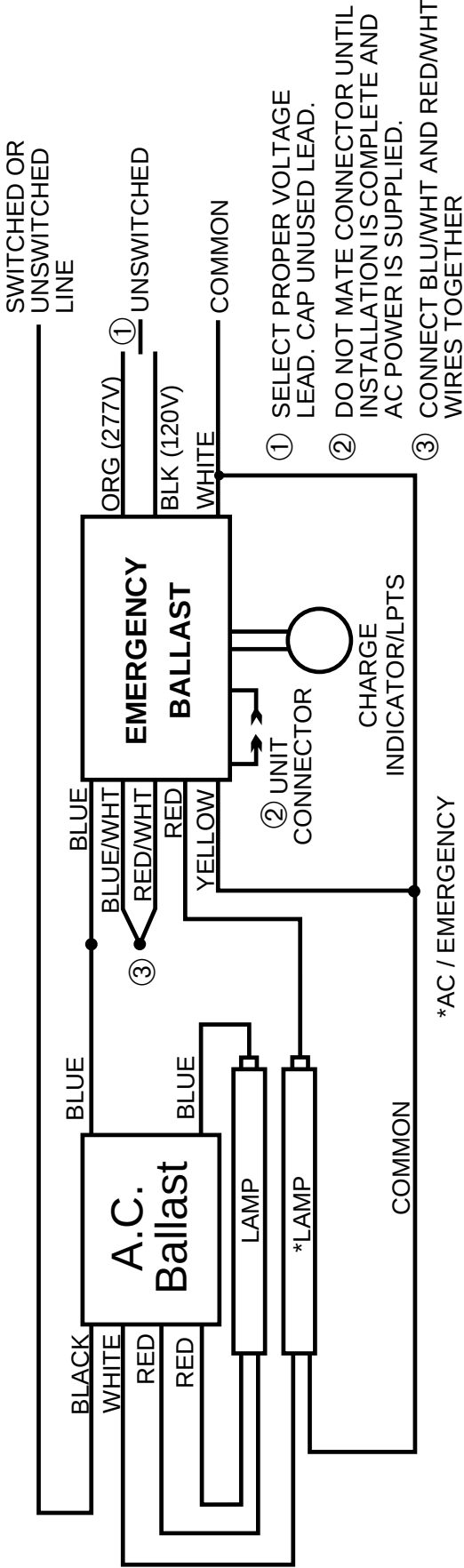


MAGNETEK

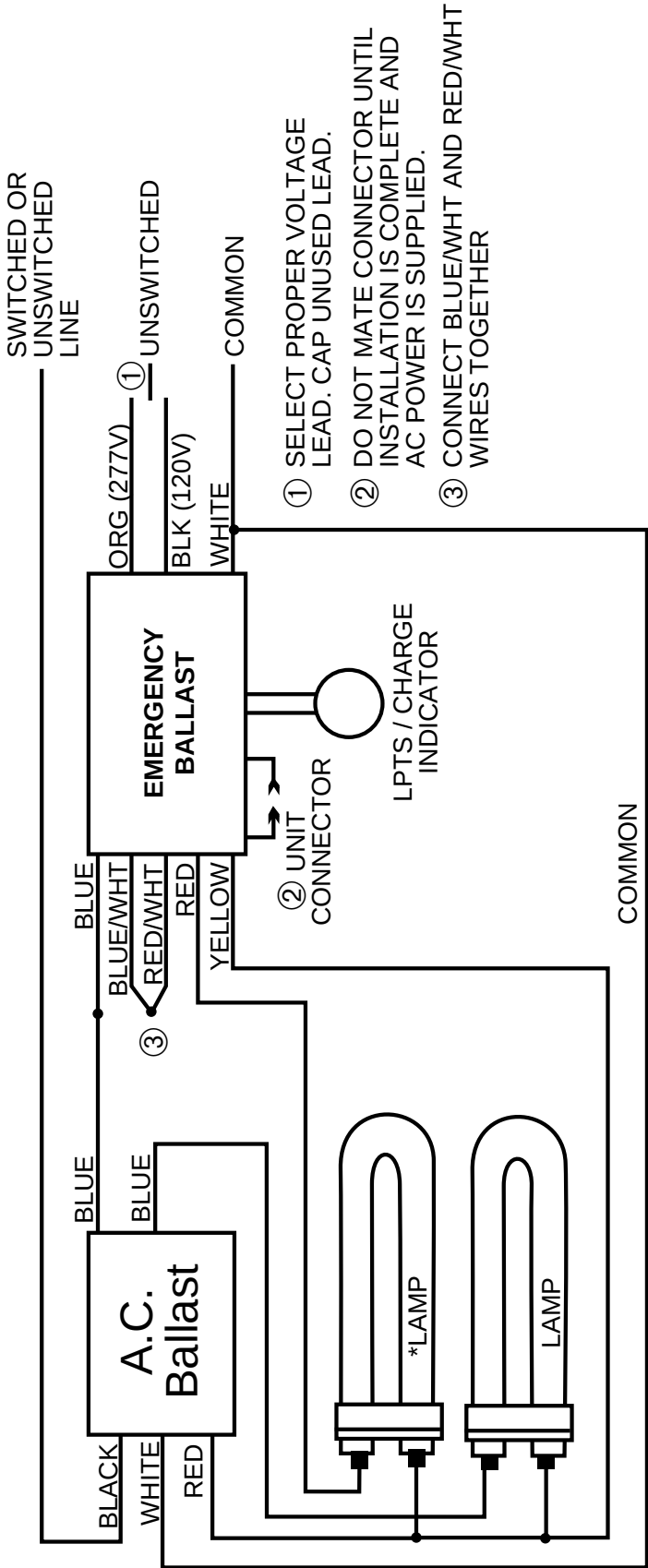
827-SLH-TC-P

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

TWO LAMP SERIES LEAD BALLAST

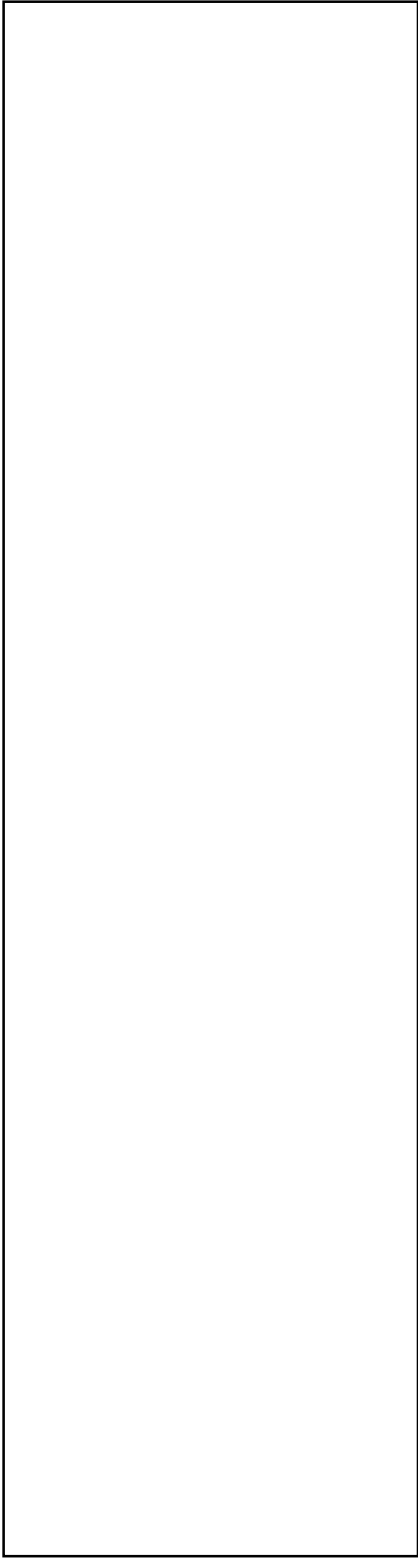
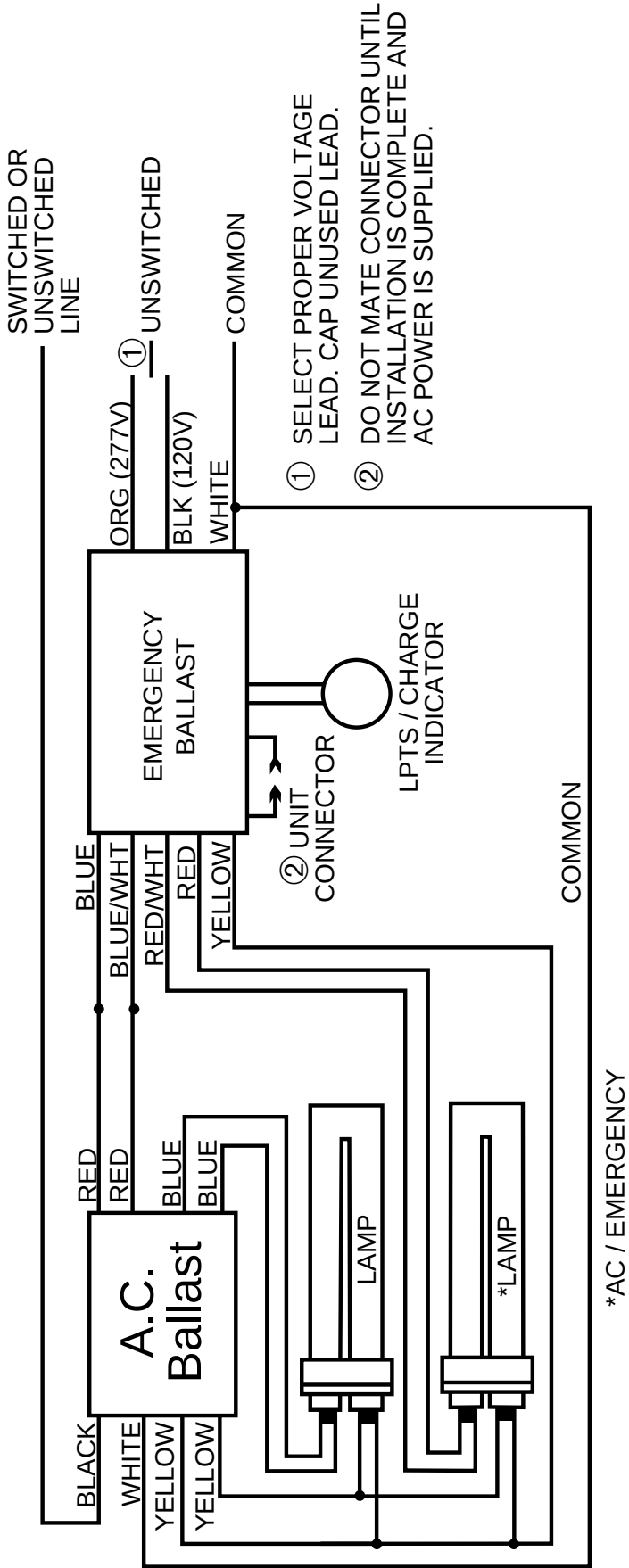


TWO U-BENT LAMP INSTANT START BALLAST

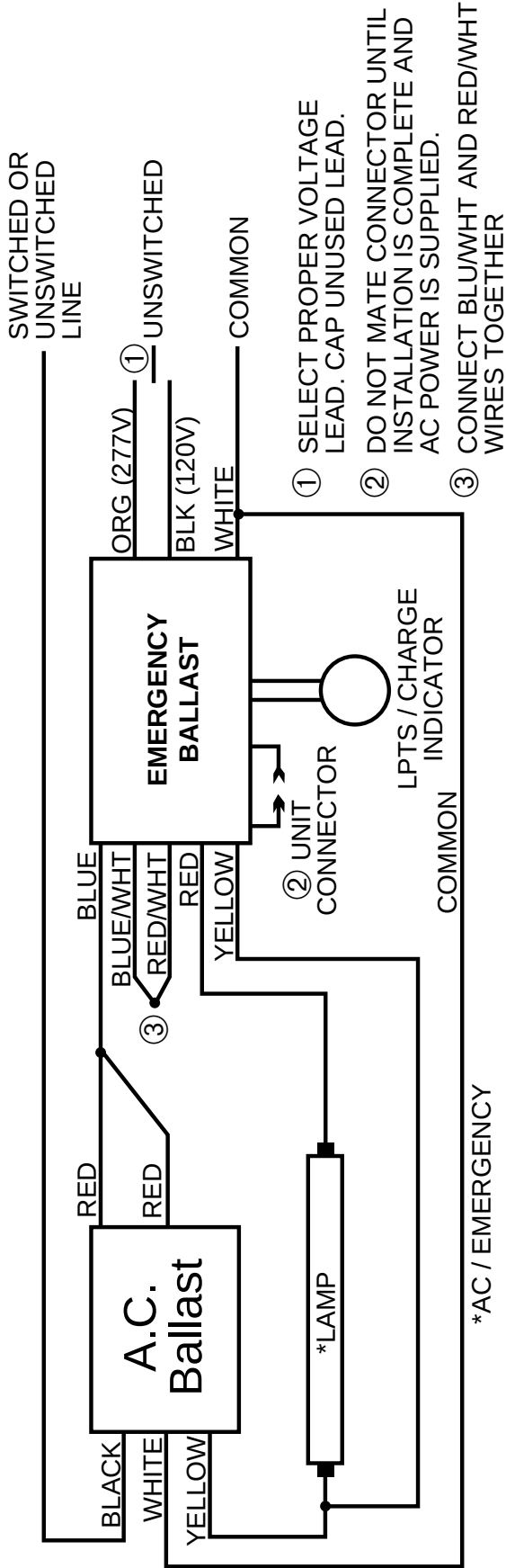


- ① SELECT PROPER VOLTAGE LEAD. CAP UNUSED LEAD.
- ② DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
- ③ CONNECT BLUE/WHIT AND RED/WHIT WIRES TOGETHER

TWO BIAx RAPID START



ONE LAMP INSTANT START FULLHAM BALLAST

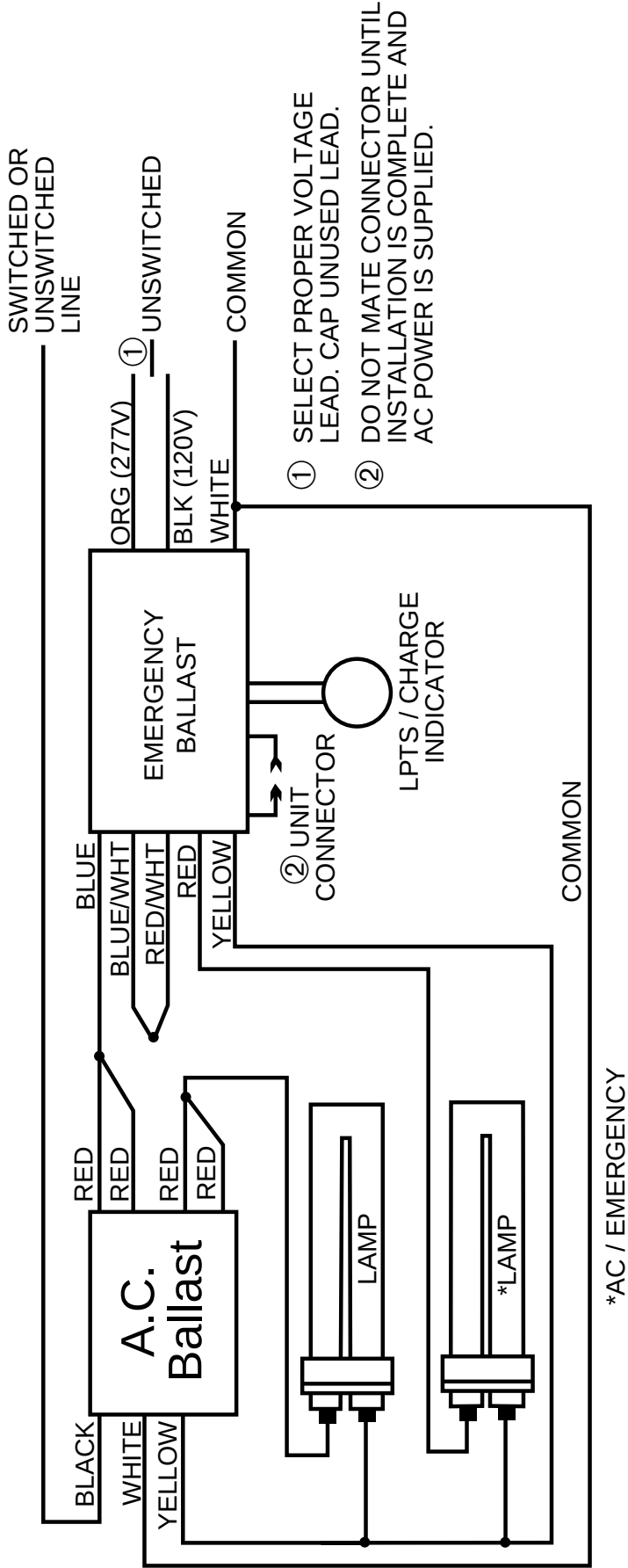


FULLHAM
WORKHORSE 3

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

FW5B

FULLHAM WORKHORSE BALLAST

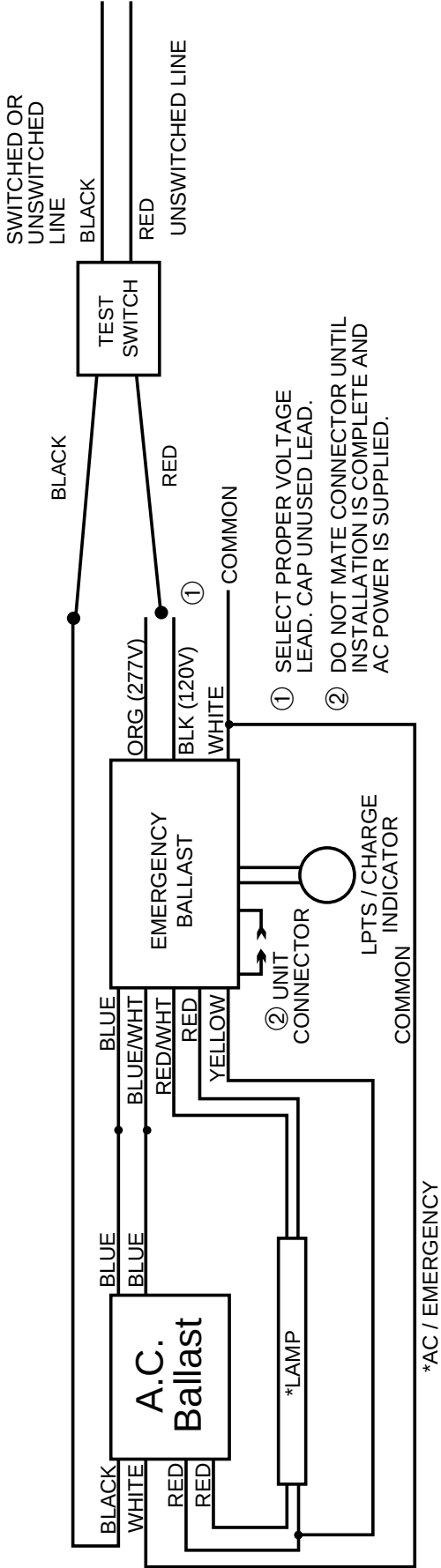


FULLHAM

WORKHORSE 5

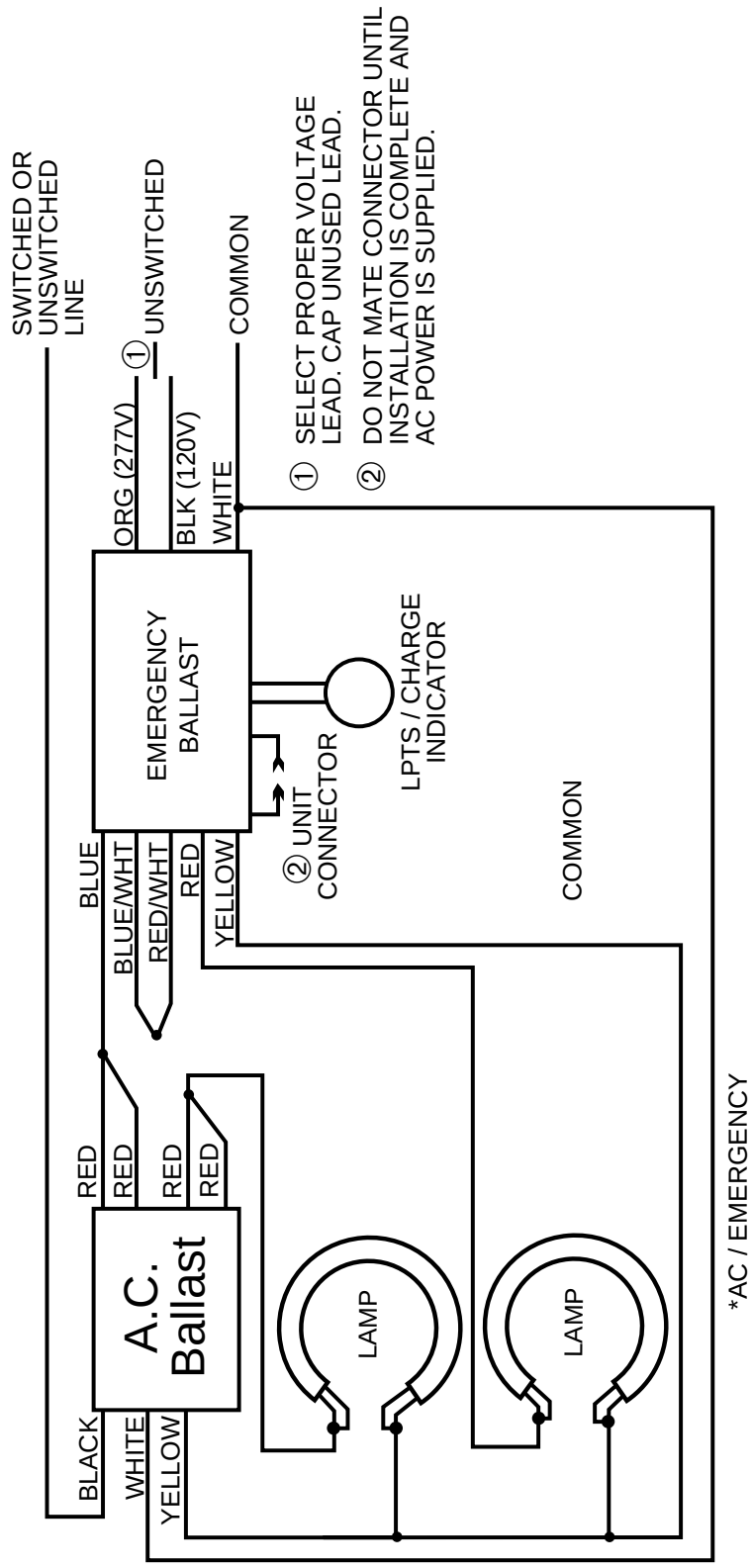
ALL COMPATIBLE BALLASTS MAY NOT BE LISTED.
*DIMMING CONTROL WIRES ARE NOT AFFECTED BY EM PACK

ONE LAMP RAPID START BALLAST WITH TEST SWITCH



FW5BC

FULLHAM WORKHORSE BALLAST
WITH TWO CIRCLINE LAMPS



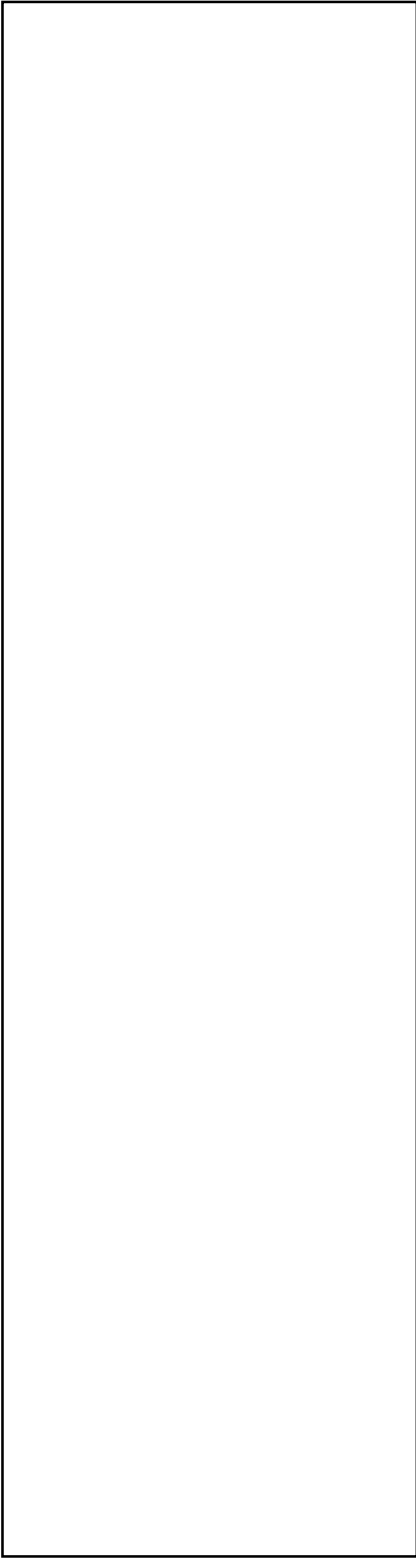
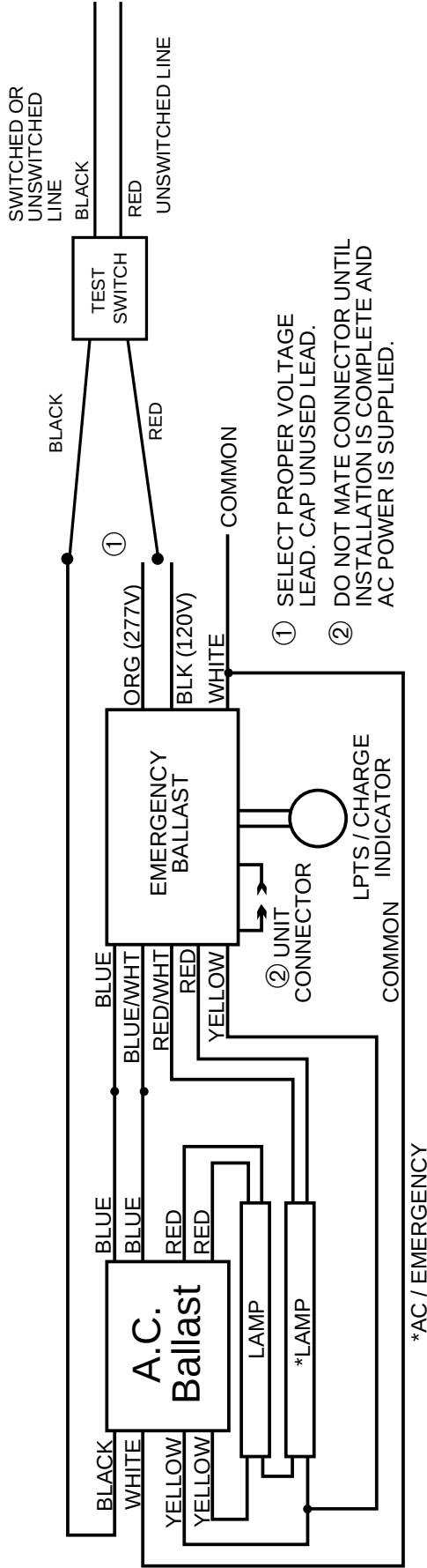
FULLHAM

WORKHORSE 5

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

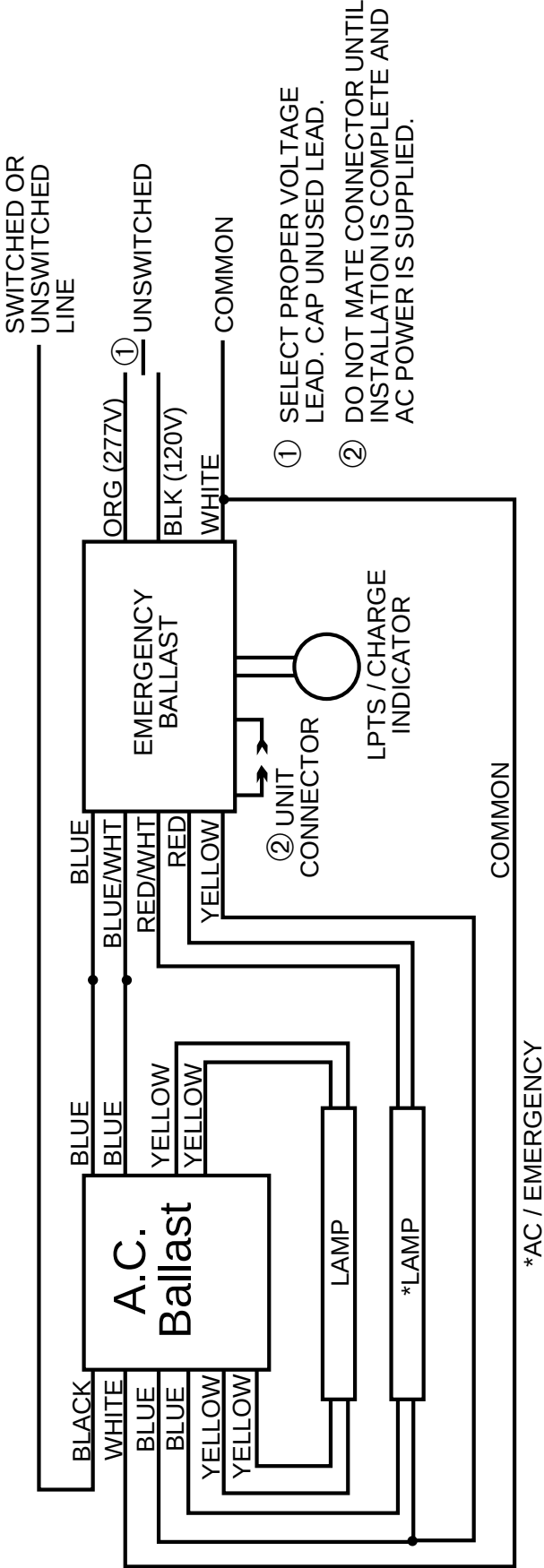
2LR5BWTS

TWO LAMP RAPID START BALLAST WITH TEST SWITCH



2LRSB4

TWO LAMP RAPID START BALLAST

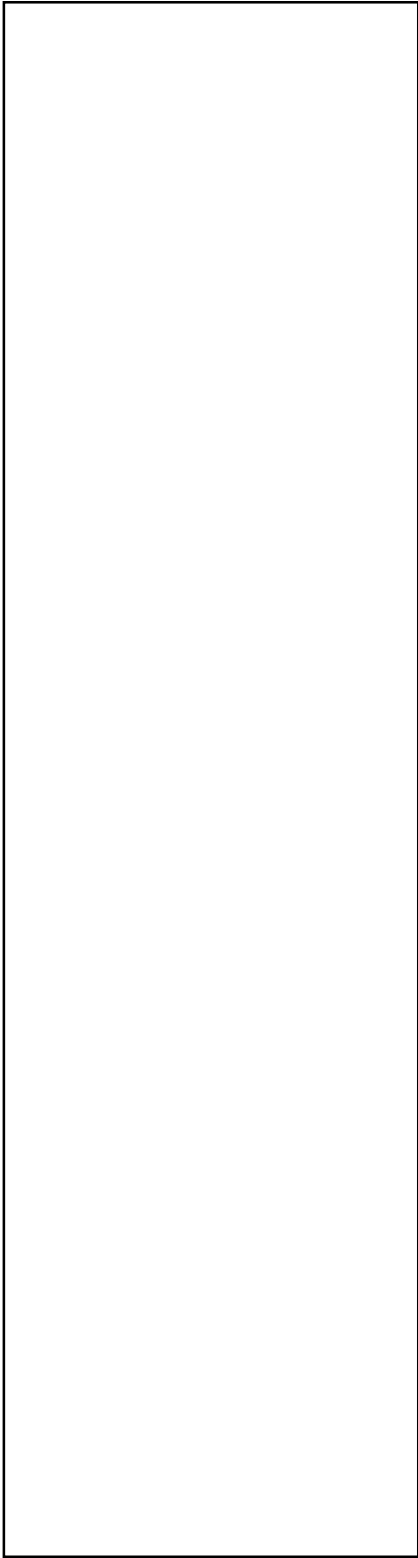
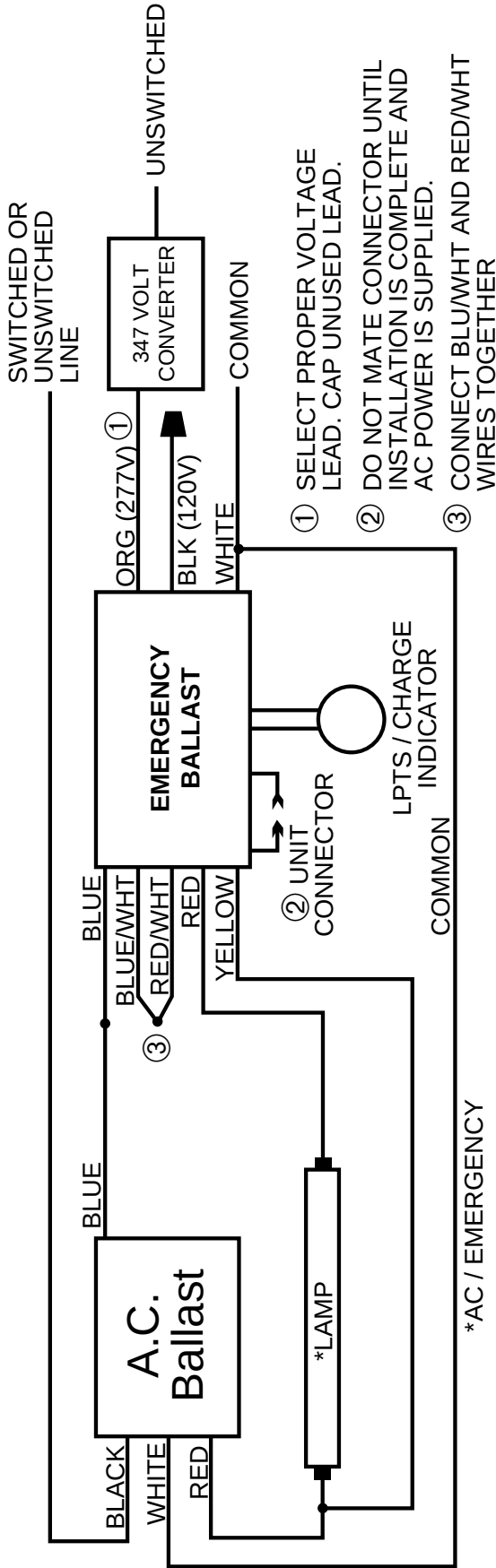


ELBA

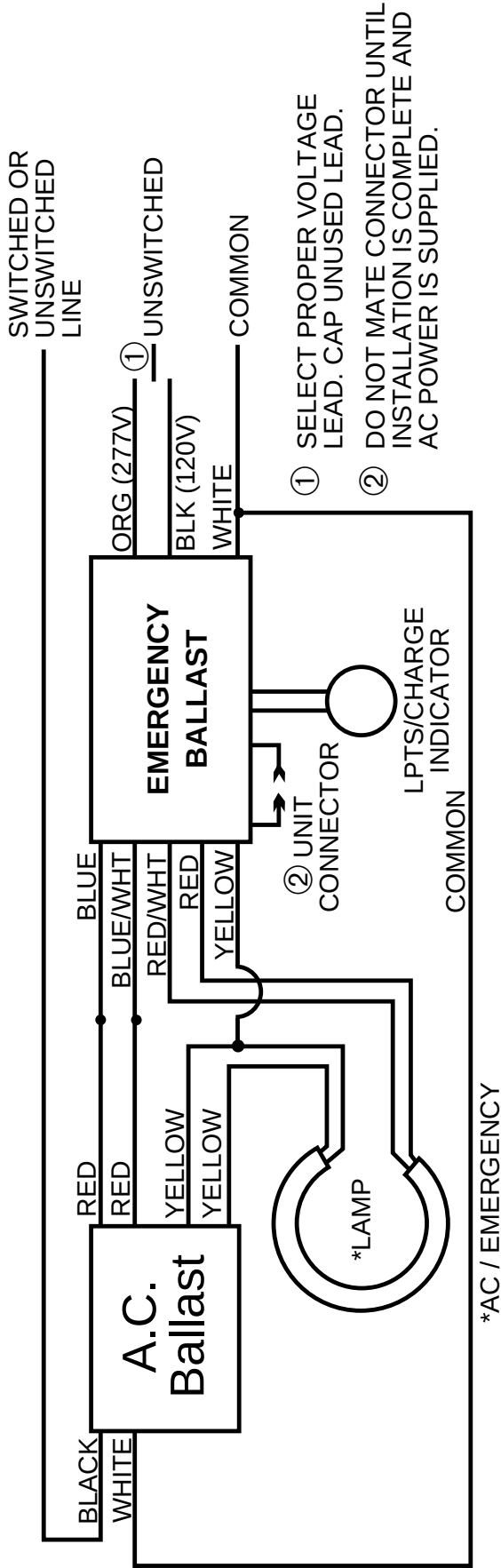
ERP-232-L

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

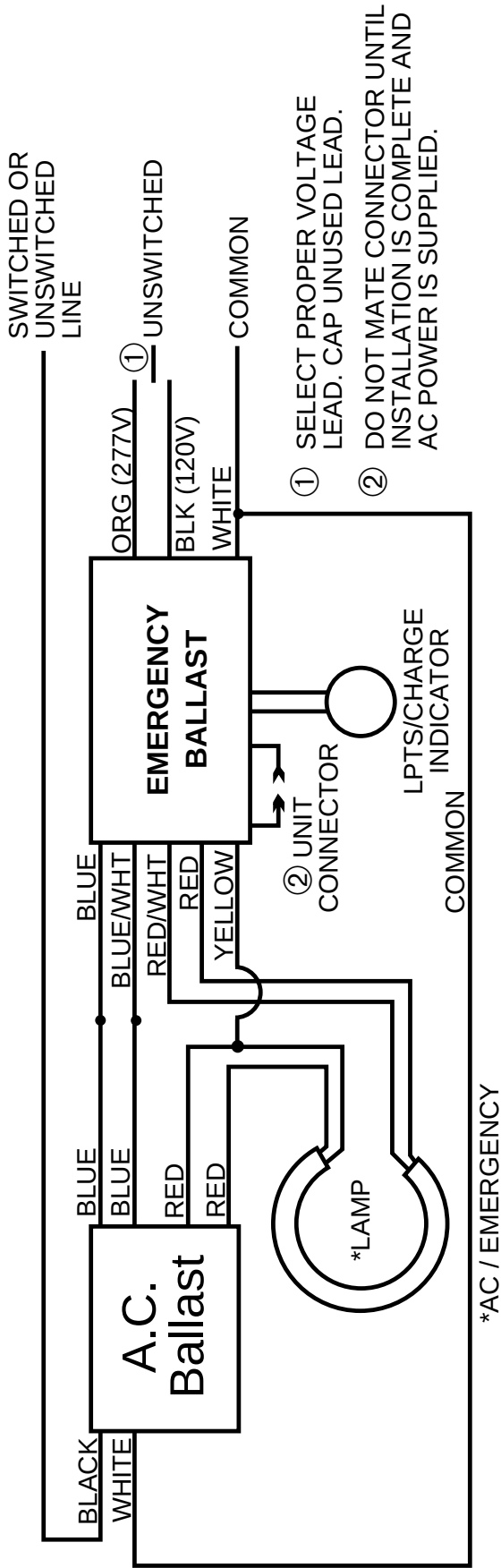
ONE LAMP INSTANT START BALLAST WITH 347V CONVERTER



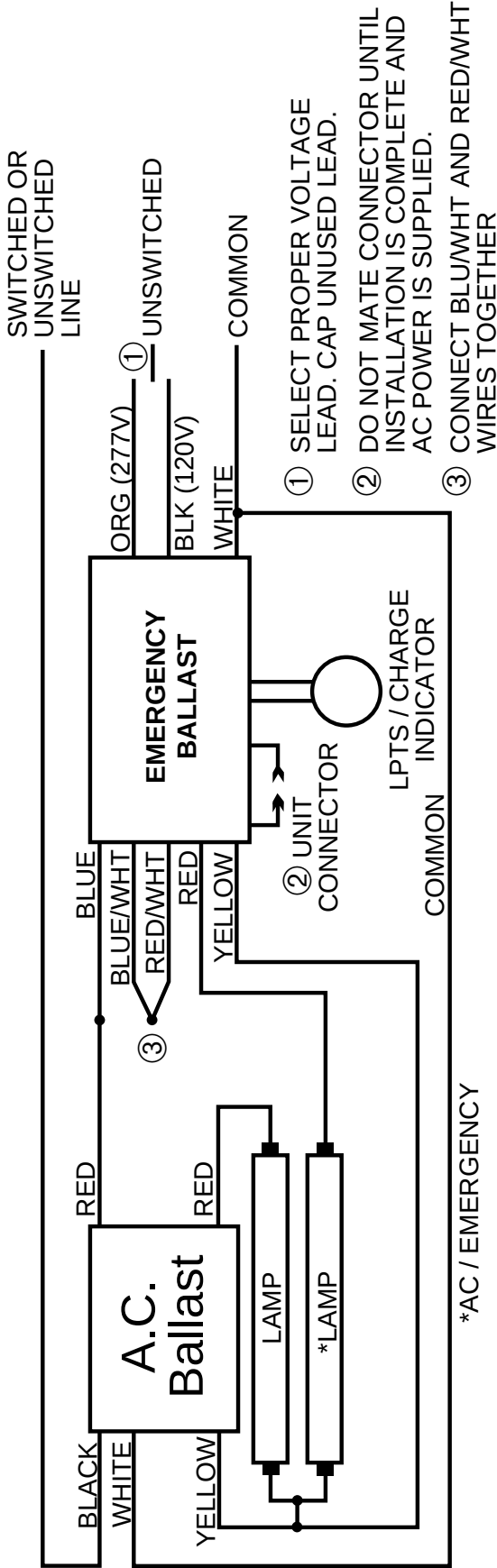
ONE LAMP CIRCLINE RAPID START BALLAST



ONE LAMP CIRCLINE RAPID START BALLAST



TWO LAMP INSTANT START BALLAST



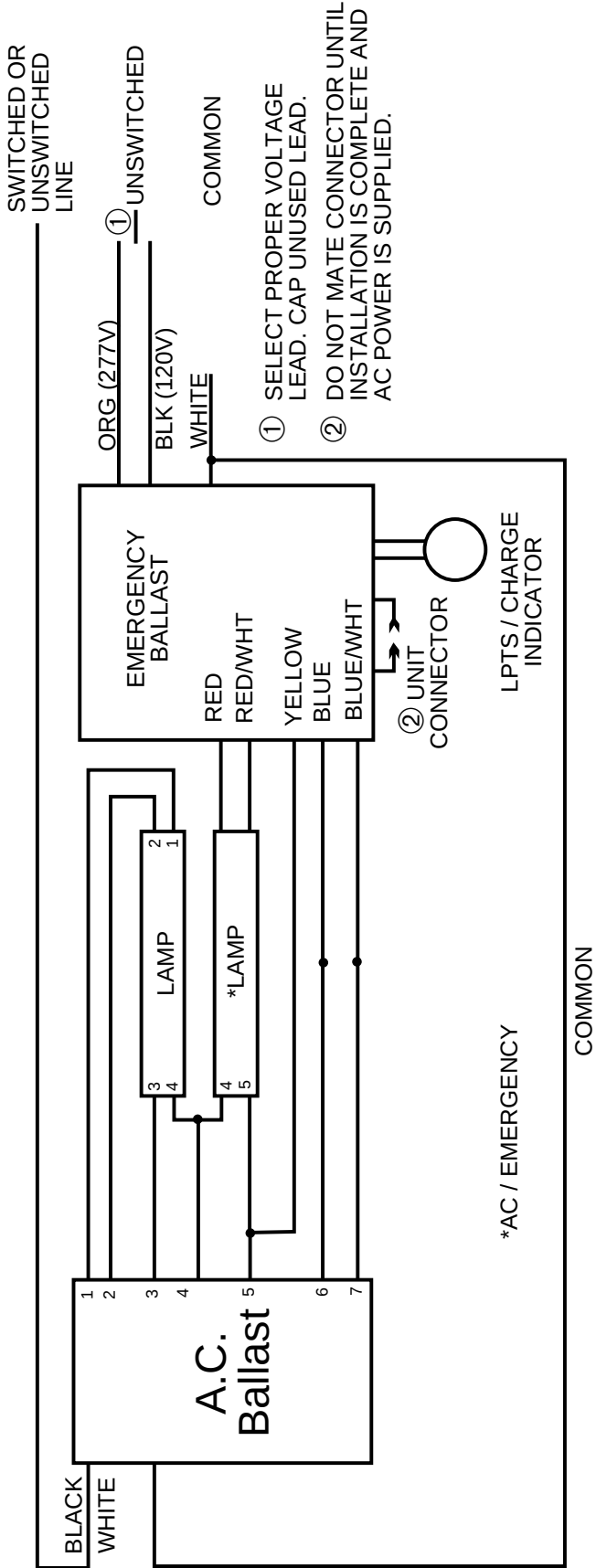
FULLHAM

WORKHORSE 4

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

2LRSB_ACE_2

TWO LAMP RAPID START BALLAST



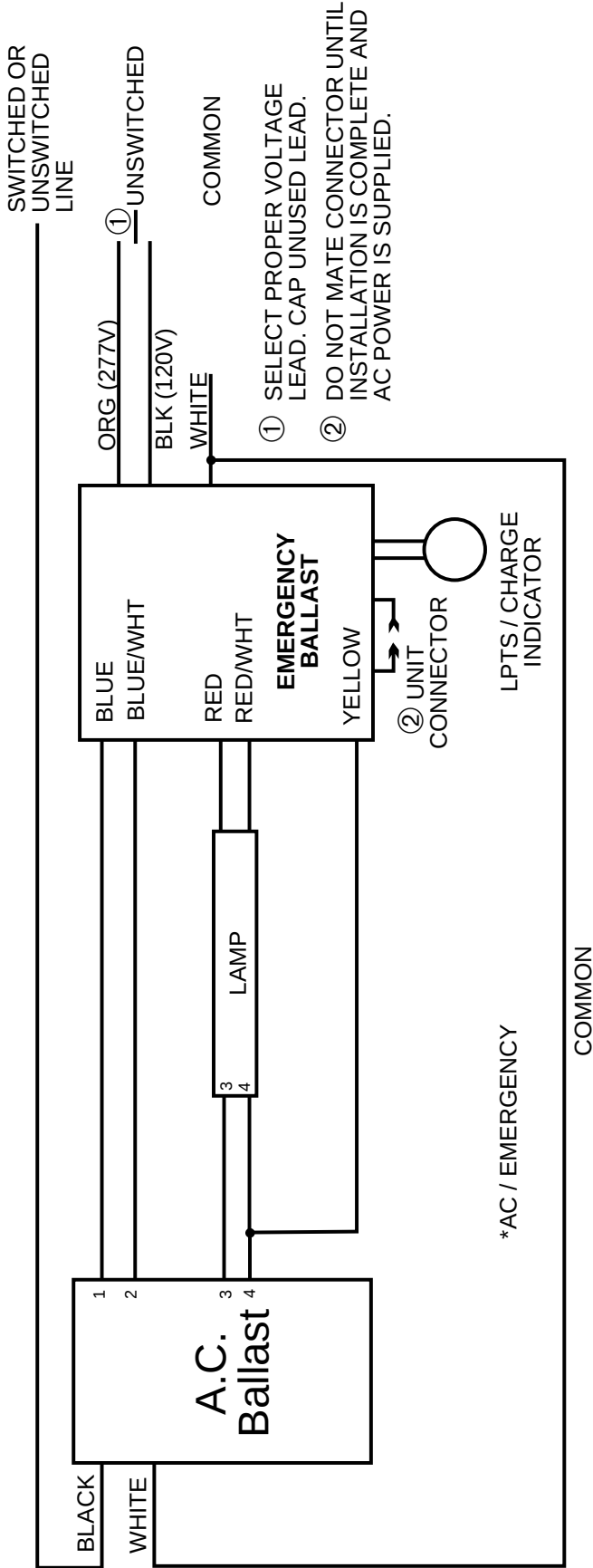
ANTRON / ACE

EPD-B54T5

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

1LRSB_ACE_2

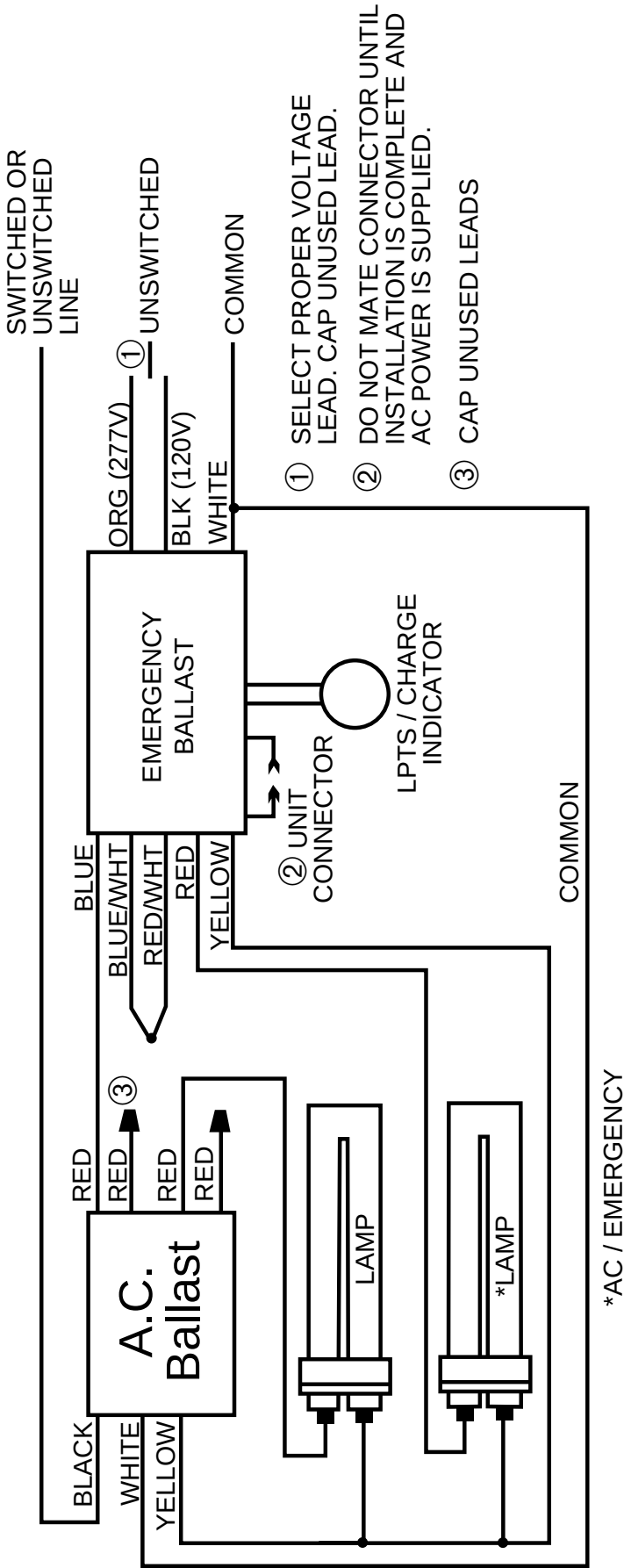
ONE LAMP RAPID START BALLAST



ANTRON / ACE
EPD-B54T5

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

FULLHAM WORKHORSE BALLAST



FULLHAM

WORKHORSE 5

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