VX/ VXBR
CFL EMERGENCY BATTERY BACK UP INSTALLATION INSTRUCTIONS

Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: marketing@rabweb.com





IMPORTANT

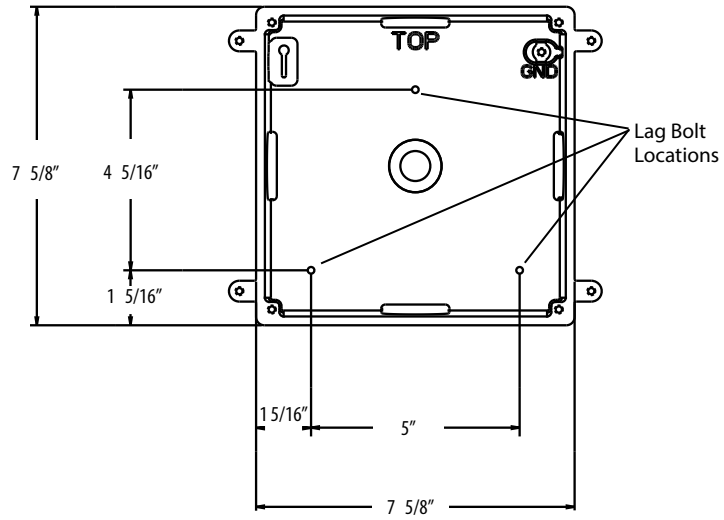
READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
Fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
WARNING: Make certain power is OFF before installing or maintaining fixture.
THIS IS AN EMERGENCY BATTERY BACKUP FIXTURE THAT CONTAINS A RECHARGEABLE NICKEL-CADMIUM BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

MOUNTING

Lag bolt housing to mounting surface using locations noted below.

1. Open emergency housing by loosening (4) screws.
2. Prepare the housing for use by drilling out the Lag bolt holes.
3. Line up the housing in desired location and mount securely.
4. Complete the wiring to the supply wires and ground. Connect Inverter Plug only after supply wiring is complete. (see wiring instructions).
5. Close emergency housing and tighten the four screws.
6. To ensure weatherproof seal make sure all holes (mounting, plugs, conduit, etc.) are sealed with weatherproof silicone sealant. Also silicone between emergency housing and mounting surface.

DRILL TEMPLATE



LOCATION

1. Mount fixture on a wall with lens facing down as shown above.
2. Fixture must be level. Lamp must be in a horizontal position.
3. DO NOT mount in a way that would entrap heat.
4. Charging indicator test switch should be visible and accessible.

OPERATION

1. When AC power is applied, the charging indicator light is illuminated, indicating that the battery is being charged.
2. When power fails, the emergency ballast automatically switches to emergency power (internal battery), operating one lamp at reduced illumination. The emergency ballast will operate one 13 W through 42 W lamp for a minimum of 90 minutes.
3. When AC power is restored, the normal ballast operation is delayed by approximately three (3) seconds to prevent false tripping of AC ballast (end-of-lamp-life) shutdown circuit.
4. The temperature control circuitry assures the proper charging current and battery protection under the full allowable ambient temperature range.

CLEANING

CAUTION: Be sure fixture temperature is cool enough to touch. Be sure power is off.

Clean refractor with a cloth moistened with non abrasive glass cleaning solution.

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WIRING

CAUTION: THIS IS AN EMERGENCY BATTERY BACKUP FIXTURE. Voltage could be present in Battery. To prevent high voltage from being present on output leads, inverter connector must be open. Do not join inverter connector until installation is complete and AC power is supplied to the emergency ballast.

NOTE: Make sure that the necessary branch circuit wiring is available. An unswitched source of power is required. The emergency ballast must be fed from the same branch circuit as the AC ballast.

Do not use any supply voltage other than those specified below.

VX/E1 VXBR/E1	120V
VX/E2 VXBR/E2	277V

1. Connect the appropriate voltage fixture lead to the HOT supply lead.
2. Connect Red & White lead and Black lead together, if not using Photocell, timer or other switching method.
3. If switching, connect Red & White lead and Black lead as shown in Photocell Wiring diagram to a Photocell or a switch.
4. Connect the "COM" fixture lead to the COMMON supply lead.
5. Fixture ground screw must be connected to supply ground.
6. All unused leads must be capped and insulated.
7. Brown leads remain open - do not connect.
8. After installation is complete, supply AC power to the emergency ballast and join the inverter connector.
9. At this point, power should be connected to both the AC ballast and the emergency ballast, and the Charging Indicator Light should illuminate indicating the battery is charging.
10. A short-term discharge test may be conducted after the emergency ballast has been charging for one hour. Charge for 24 hours before conducting a long-term discharge test. Refer to OPERATION.

REPLACEMENT LAMPS AND BALLASTS

Wattage	RAB Lamp Catalog#	Base	RAB Ballast Catalog#
Compact Fluorescent			
26	LCFL26	GX24q-3	BCFL42
32	LCFL32	GX24q-3	BCFL42
42	LCFL42	GX24q-4	BCFL42

RE-LAMPING

CAUTION - This Unit Has More Than One Power Connection Point. To Reduce The Risk Of Electric Shock, Disconnect Both The Branch Circuit-Breakers Or Fuses And Emergency Power Supplies Before Servicing.

1. Disconnect power and disconnect Emergency Battery Inverter Plug.
2. Make sure fixture and lamp are cool enough to touch.
3. Loosen four screws holding lens.
4. Open by swinging lens down, letting hinge hold lens.
5. Replace lamp.
6. Close lens and tighten screws.

TROUBLESHOOTING

1. Is the proper lamp is installed? Check the wattage and ANSI code on the fixture label against markings on the lamp. Refer to Replacement Lamp table above for verification.
2. Make sure the lamp is not defective. Try a lamp known to be in operating condition.
3. Check that the line voltage at fixture is correct. Refer to wiring directions.
4. Is there voltage at the lamp socket? If there is no voltage, check all connections.
5. Is the fixture grounded properly?
6. If used, is the photocell functioning properly?

MAINTENANCE

Although no routine maintenance is required to keep the emergency ballast functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds. One lamp should operate at reduced illumination.
3. Conduct a 90-minute discharge test once a year. One lamp should operate at reduced illumination for at least 90 minutes.

Refer any servicing indicated by these checks to Qualified Personnel.

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

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Northvale, New Jersey 07647 USA
VX/ VXBR CFL E1/E2-IN 0113

Easy Installation & Product Help

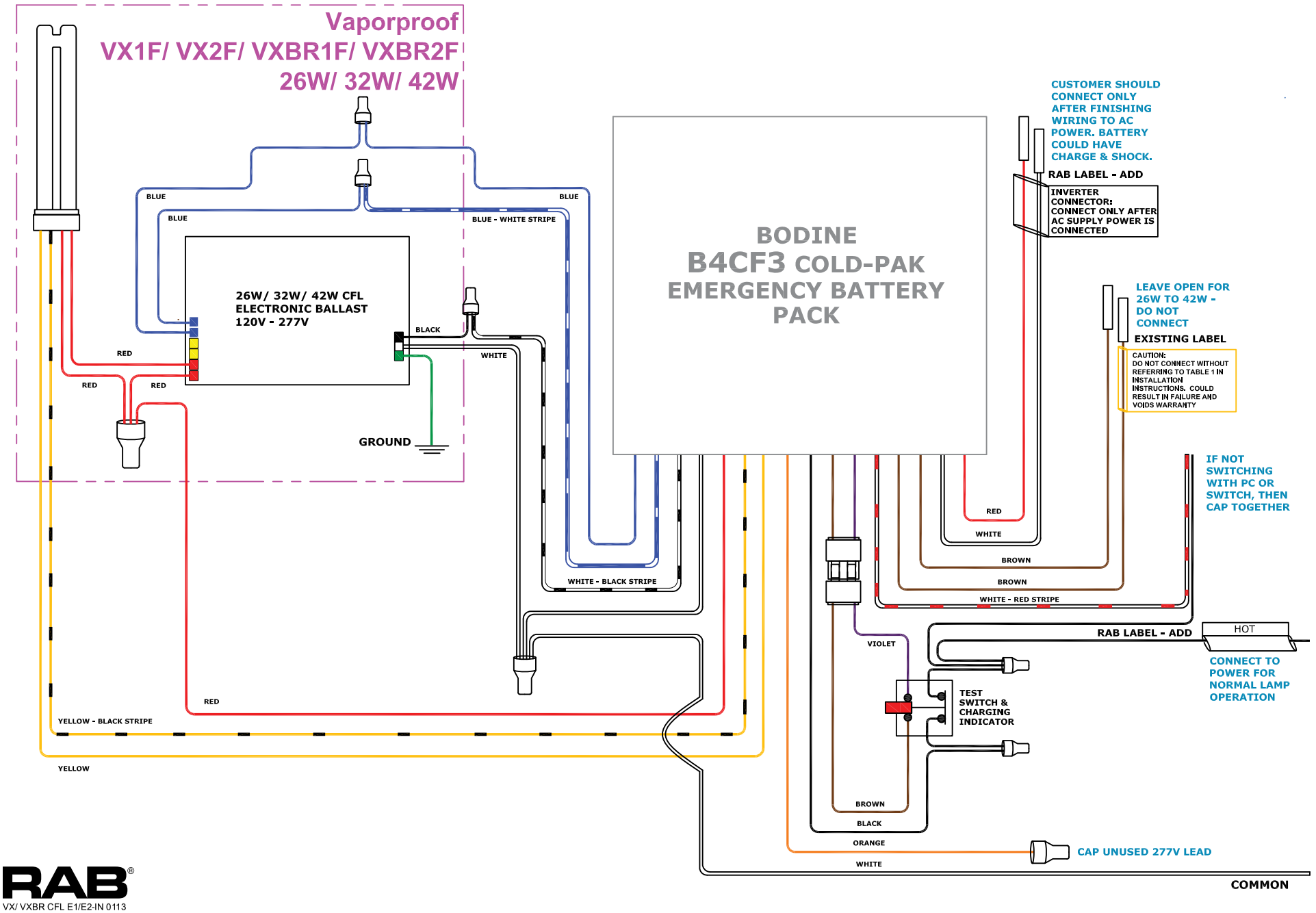
Tech Help Line
Call our experts 888 RAB-1000

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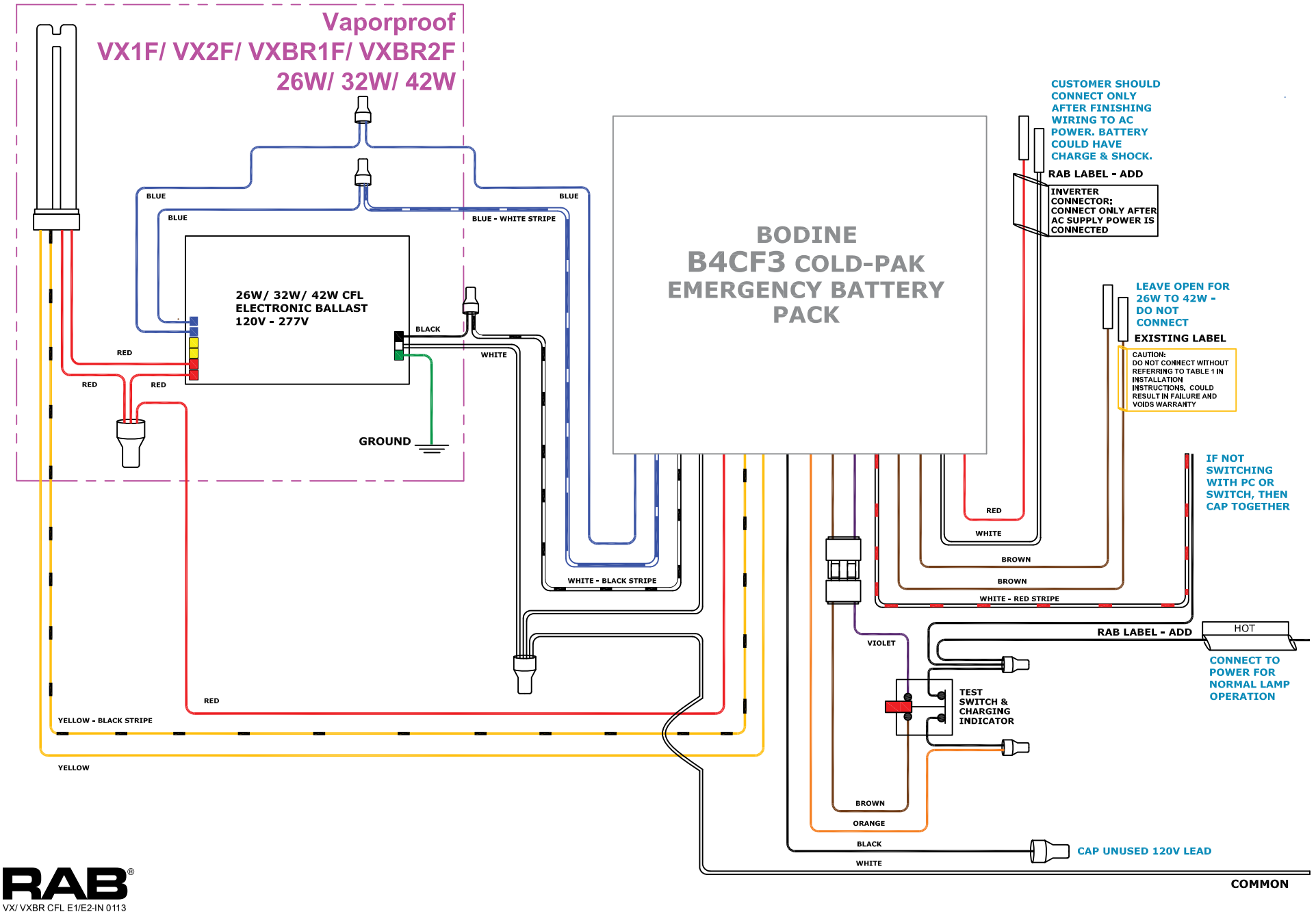
WIRING DIAGRAM for 1-LAMP EMERGENCY OPERATION at 120V

Emergency Ballast and AC Ballast must be fed from the same circuit



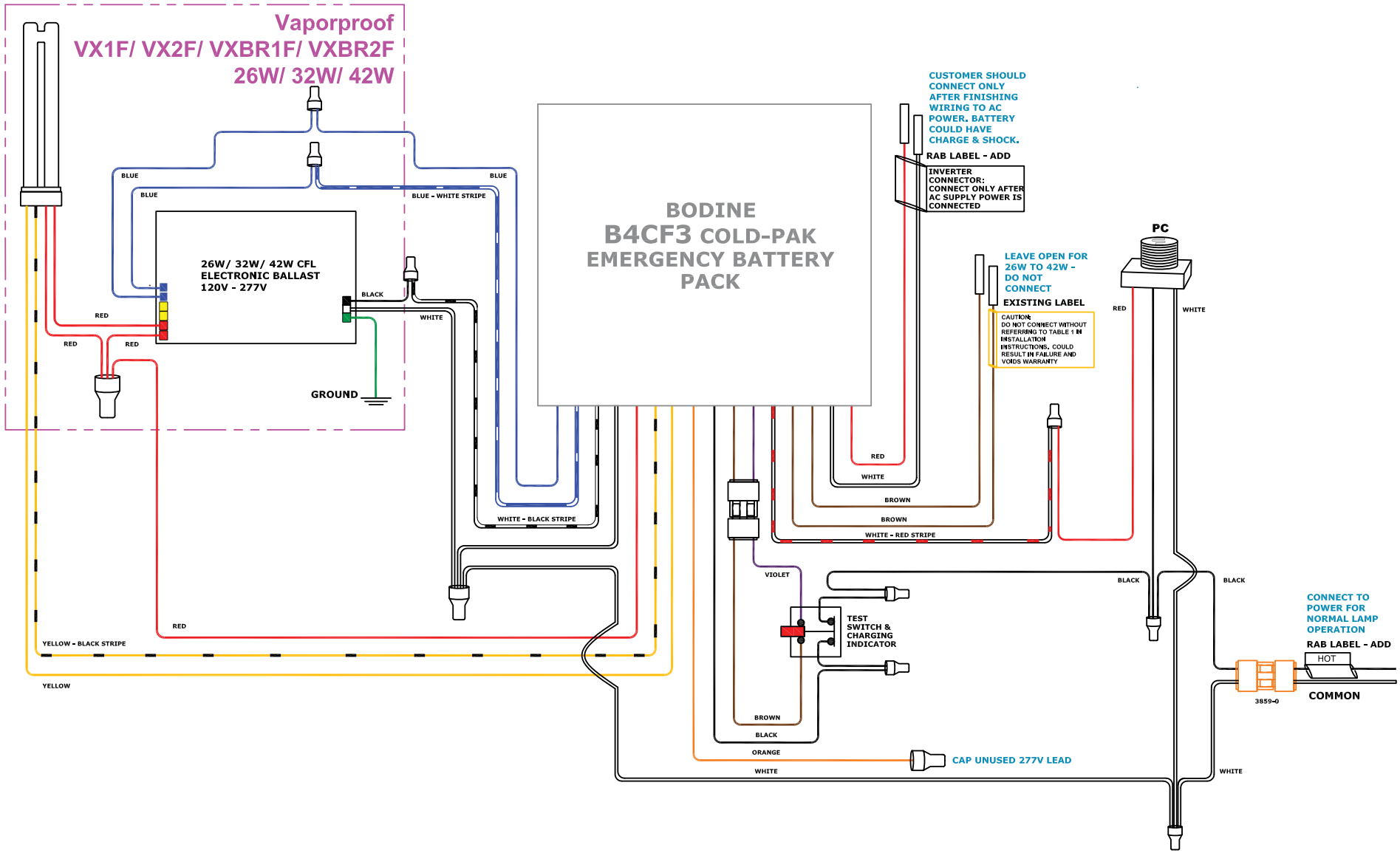
WIRING DIAGRAM for 1-LAMP EMERGENCY OPERATION at 277V

Emergency Ballast and AC Ballast must be fed from the same circuit



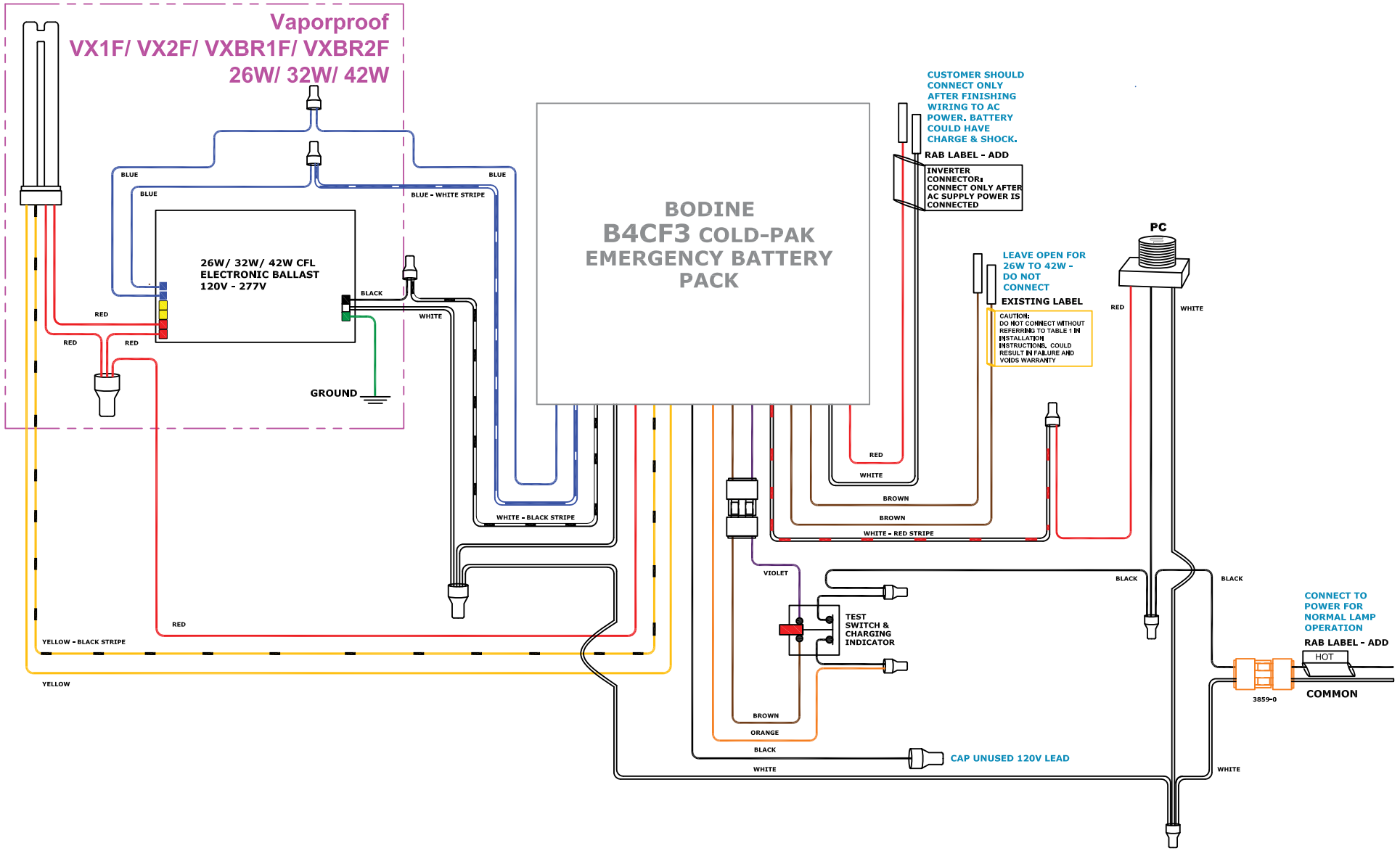
WIRING DIAGRAM for 1-LAMP EMERGENCY OPERATION at 120V with PHOTOCELL

Emergency Ballast and AC Ballast must be fed from the same circuit



WIRING DIAGRAM for 1-LAMP EMERGENCY OPERATION at 277V with PHOTOCELL

Emergency Ballast and AC Ballast must be fed from the same circuit



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