

BAL3000 Series

Fluorescent Emergency Ballast

INTENDED USE:

The BAL3000 fluorescent emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a field replaceable nickel cadmium battery, charger and electronic circuitry in one compact red case. The BAL3000 can be used with most 17 - 215W (2' - 8') T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline, energy saving and 4-pin twin, quad and triple twin-tube compacts. One or two lamp operation may be selected. It is also compatible with most 1, 2, 3 and 4 lamp electronic, standard, energy saving and dimming AC ballasts. If used in an emergency only fixture, no AC ballast is necessary. The BAL3000 is suitable only for indoor locations and not for wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory. Recommended applications include: hospital surgical suites and areas along the path of egress with high ceiling heights, as well as health care, educational and commercial facilities needing higher levels of emergency illumination.



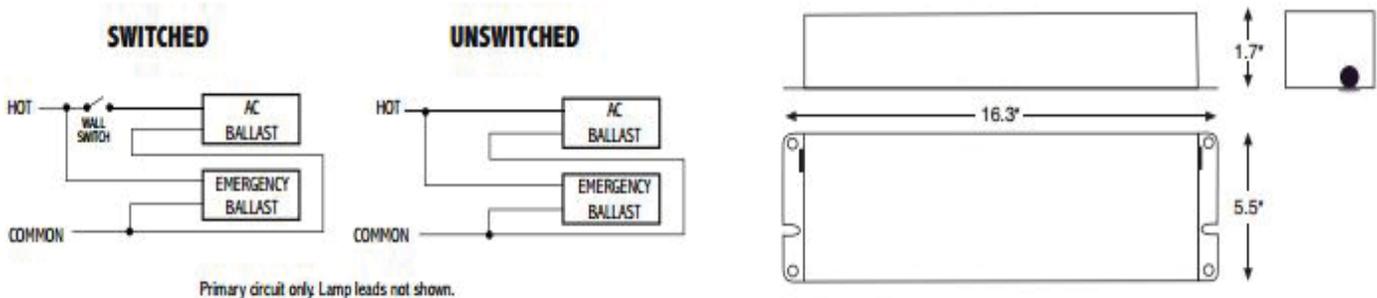
Specification grade: Up to 3500 lumens
1 or 2 lamp emergency illumination

OPERATION

When AC power fails, the BAL3000 immediately switches to the emergency mode, keeping either one or two lamps illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the BAL650 automatically returns to the charging mode.

INSTALLATION

The BAL3000 does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The BAL3000 may be installed on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends removing the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C. A charging indicator light and double pole test switch are provided. Upon request, a single pole test switch/monitor plate is provided for remote installation of the test switch and charging indicator light.



BATTERY

The BAL3000 uses a field replaceable nickel cadmium battery specifically designed and constructed for high temperature applications. The battery requires no maintenance and has a life expectancy of 7-10 years.

EMERGENCY ILLUMINATION

Depending on the number (one or two), wattage and type of lamps selected, the BAL3000 produces 1450 to 3500 lumens initial emergency light output. If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.



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SPECIFICATIONS

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Texas Fluorescents BAL3000 emergency ballast. This emergency ballast shall consist of a field replaceable, high temperature, maintenance free nickel cadmium battery, charger and electronic circuitry contained in one 16 5/16" x 5 7/16" x 1 3/4" red metal case with 2 ft length of flexible conduit. A solid state charging indicator light to monitor the charger and battery, a double pole test switch and installation hardware shall be provided. The emergency ballast shall be capable of operating 1 or 2 17W-215W (2'-8') T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline, energy saving and 4-pin twin, quad and triple twin tube compacts in the emergency mode for minimum of 90 minutes. The BAL3000 shall have 8W of input power and a 57.6W-hr battery capacity and exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL listed for installation on top of or remote from the fixture and shall be warranted for a full 5 years from the date of purchase.

WARRANTY

Model BAL3000 is warranted for five (5) full years from date of purchase. This warranty covers only-properly installed Texas Fluorescents emergency ballasts used under normal conditions. For the warranty period Texas Fluorescents will, at its option, repair or replace without charge, a defective emergency ballast provided it is returned to the factory transportation prepaid and out inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the emergency ballast.

UL AND CODE COMPLIANCE

The BAL3000 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and requirements.

PRODUCT SUMMARY			
UL LISTED	DUAL VOLTAGE INPUT	BATTERY	TEMPERATURE RATING (AMBIENT)
Factory or field installation	120/277 VAC 60Hz	Field Replaceable High-Temperature Maintenance Free Nickel-Cadmium Battery 7-10 year life Expectancy	0°C to+55°C (32° to 131°F)
ILLUMINATION	AC INPUT CURRENT	BATTERY CHARGING CURRENT	DIMENSIONS
90 Minutes	280mA	280mA	16.3" x 5.5" x 1.7" (414mm x 138mm x 44mm) Mounting center 8.9" (226mm)
INITIAL LIGHT OUTPUT	AC INPUT POWER RATING	RECHARGE TIME	WEIGHT
1450-3000 Lumens	8.0 Watts	24 Hours	8.7lbs (3.95kg)
FULL WARRANTY	TEST SWITCH	CHARGING LIGHT INDICATOR	
5 years (NOT pro-rata)	Double pole Single pole (optional, used only with Test/Monitor plate)	LED	