



# BAL3000

## FLUORESCENT EMERGENCY BALLAST

Specification-grade: Up to 3500 lumens  
One or two-lamp emergency illumination

### APPLICATION

The BAL 3000 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 red case. The BAL 3000 can be used with most 17 - 215 W (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 one-, two-, three-, and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The BAL 3000 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.

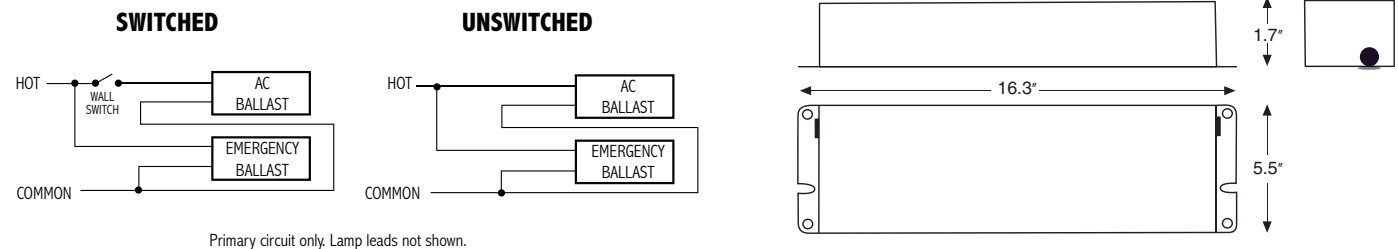


### OPERATION

When AC power fails, the BAL 3000 immediately switches to the emergency mode, operating either one or two lamps at high lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### INSTALLATION

The BAL 3000 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 BAL 3000 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.



Primary circuit only. Lamp leads not shown.

### UL AND CODE COMPLIANCE

The BAL 3000 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 UL 90-minute requirements.

### BATTERY

The BAL 3000 uses a field-replaceable nickel-cadmium battery specifically designed and constructed for high-temperature applications. This 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 BAL 3000 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.



### SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Best BAL 3000 emergency ballast. The BAL 3000 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 a 2' length of flexible conduit. A solid-state charging indicator light to monitor the charger and battery, double-pole test switch and installation hardware shall be provided. The emergency ballast shall be capable of operating One or Two 17 - 215 W (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 a minimum of 90 minutes. The BAL 3000 shall have 8 Watts of input power and a 57.6 Watt-hour battery capacity and shall 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 five years from date of purchase.

### WARRANTY

Model BAL 3000 is warranted for five (5) full years from date of purchase. This warranty covers only properly installed BEST emergency ballasts used under normal conditions. For the warranty period Best will, at its option, repair or replace without charge, a defective emergency ballast provided it is returned to the factory transportation prepaid and our 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.

### PRODUCT SUMMARY

#### UL LISTED

Factory or Field  
Installation

#### ILLUMINATION

90 Minutes

#### INITIAL LIGHT OUTPUT

1450-3000 Lumens

#### FULL WARRANTY

5 Years (NOT pro-rata)

#### DUAL VOLTAGE INPUT

120/277 VAC  
60 Hz

#### AC INPUT CURRENT

280mA

#### AC INPUT POWER RATING

8.0 Watts

#### TEST SWITCH

Double Pole  
Single Pole (optional,  
used only with  
Test/Monitor plate)

#### BATTERY

Field-Replaceable  
High-Temperature  
Maintenance-Free  
Nickel-Cadmium Battery  
7-10 Year Life Expectancy

#### BATTERY CHARGING CURRENT

280mA

#### RECHARGE TIME

24 Hours

#### CHARGING INDICATOR LIGHT

LED

#### TEMPERATURE RATING (AMBIENT)

0°C TO +55°C  
(32°F TO 131°F)

#### DIMENSIONS

16.3" x 5.5" x 1.7"  
(414mm x 138mm x 44mm)  
Mounting center 8.9" (226mm)

#### WEIGHT

8.7 lbs (3.95 kg)

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