



## BAL 500

FLUORESCENT EMERGENCY BALLAST

One lamp emergency illumination

### APPLICATION

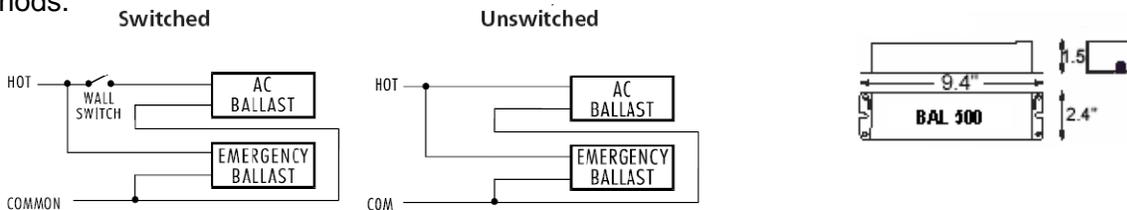
The BAL 500 fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact white case. The BAL 500 can be used with one 17 W through 40 W (2' - 4') T8, T10, or T12 fluorescent lamp without integral starters, including U-shaped, HO, VHO, circline, energy saving, and 4-pin long compact fluorescent lamp. 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. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet, damp, or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory.

### OPERATION

When AC power fails, the BAL 500 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### INSTALLATION

The BAL 500 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 500 may be installed inside, on top of, or remote from the fixture. The emergency ballast may be remote-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 for extended periods.



*Primary circuit only. Lamp leads not shown.*

### UL and CODE COMPLIANCE

The BAL 500 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

Since high temperatures exist in fluorescent fixtures, the BAL 500 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.



# BAL 500

FLUORESCENT EMERGENCY BALLAST

One lamp emergency illumination

## EMERGENCY ILLUMINATION

The BAL 500 produces 500 to 600 lumens initial emergency light output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a BAL 500 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating one 17 W - 40 W (2'- 4') T8, T10, or T12 fluorescent lamp or (4-pin) long compact fluorescent lamp at reduced illumination in the emergency mode for a minimum of 90 minutes. The BAL 500 shall produce 500 to 600 lumens initial emergency light output, have 3.5 Watts of input power, a 14.4 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BAL 500 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 style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to+55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 500 – 600 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 3.5 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 270 mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Mounting center</u> 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 2.5 lbs. (1.1 Kg)</li> </ul>
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	



# BAL 32

FLUORESCENT EMERGENCY BALLAST

Low-profile emergency ballast

## APPLICATION

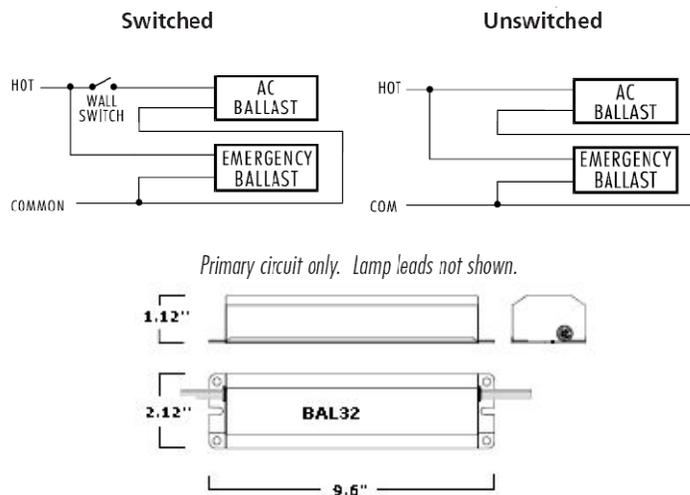
The BAL 32 low-profile fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact case. The BAL 32 can be used with One 17 W - 40 W (2' - 4') T8, T10, or T12 fluorescent lamp without integral starters, 8W – 28W T5 fluorescent lamp and 17W – 40W (4-pin) long compact lamp. It is also compatible with most electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory.

## OPERATION

When AC power fails, the BAL 32 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

## INSTALLATION

The BAL 32 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 32 may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods.



## UL and CODE COMPLIANCE

The BAL 32 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.



# BAL 32

FLUORESCENT EMERGENCY BALLAST

Low-profile emergency ballast

## BATTERY

Since high temperatures exist in fluorescent fixtures, the BAL 32 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.

## EMERGENCY ILLUMINATION

The BAL 32 produces 450 - 500 lumens initial emergency light output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with BAL 32 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating (1) 17 W - 40 W (2' - 4') T8, T10, or T12 fluorescent lamp without integral starters, 8W – 28W T5 fluorescent lamp and 17W – 40W (4-pin) long compact lamp at reduced illumination in the emergency mode for a minimum of 90 minutes. The BAL 32 shall produce 450 to 500 lumens initial emergency light output, have 2.5 Watts of input power, a 9.6 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BAL 32 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.

<ul style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to +55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm) Mounting center 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 600 – 700 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 3.5 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 270 mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 2.5 lbs. (1.1 Kg)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	



# BAL 700

FLUORESCENT EMERGENCY BALLAST

For two lamp emergency operation

## APPLICATION

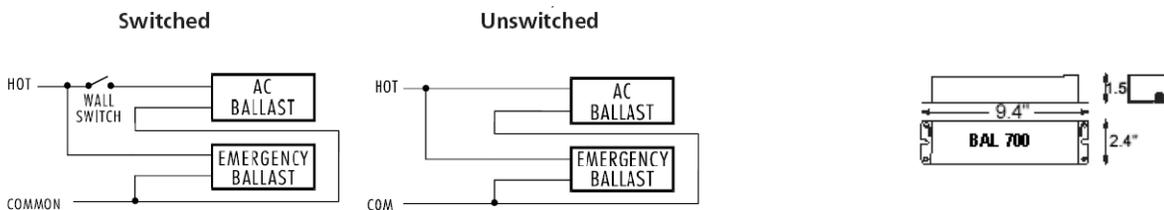
The BAL 700 fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact white case. The BAL 700 can be used with one 17 W through 215 W (2'-8') T5, T8, T10, or T12 fluorescent lamp without integral starters, including U-shaped, HO, VHO, circline, energy saving, and 4-pin long compact fluorescent lamp. 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. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet, damp, or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory.

## OPERATION

When AC power fails, the BAL 700 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

## INSTALLATION

The BAL 700 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 500 may be installed inside, on top of, or remote from the fixture. The emergency ballast may be remote-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 for extended periods.



*Primary circuit only. Lamp leads not shown.*

## UL and CODE COMPLIANCE

The BAL 700 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

Since high temperatures exist in fluorescent fixtures, the BAL 700 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.



# BAL 700

FLUORESCENT EMERGENCY BALLAST

For two lamp emergency operation



## EMERGENCY ILLUMINATION

The BAL 700 produces 600 to 700 lumens initial emergency light output with two (2'x4') T8, T10, T12 lamps. If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination. Lumen output will be less with one-lamp operation or with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a BAL 700 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating one or two (2'-4') T8, T10, or T12 fluorescent lamps; One 17 W -215 W (2'-8') T5, T8, T10, or T12 fluorescent lamp or (4-pin) long compact fluorescent lamp at reduced illumination in the emergency mode for a minimum of 90 minutes. The BAL 700 shall produce 600 to 700 lumens initial emergency light output, have 3.5 Watts of input power, a 14.4 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BAL 700 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 style="list-style-type: none"> <li>• <u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Temperature Rating (Ambient)</u> 0°C to +55°C (32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>• <u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>• <u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Dimensions</u> 9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm) Mounting center 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>• <u>Initial Light Output</u> 600 – 700 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>• <u>AC Input Power Rating</u> 3.5 Watts</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Battery Charging Current</u> 270 mA</li> </ul>	
<ul style="list-style-type: none"> <li>• <u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Recharge Time</u> 24 Hours Charging</li> </ul>	<ul style="list-style-type: none"> <li>• <u>Weight</u> 2.5 lbs. (1.1 Kg)</li> </ul>
		<ul style="list-style-type: none"> <li>• <u>Indicator Light</u> LED</li> </ul>	



# BAL 1400

FLUORESCENT EMERGENCY BALLAST

Specification grade

One or two lamp emergency illumination



## APPLICATION

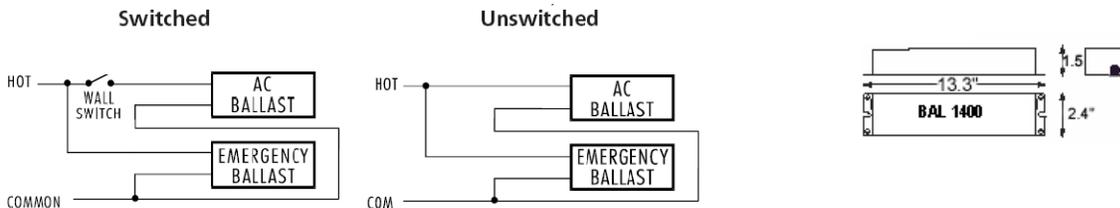
The BAL 1400 fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact red case. This ballast can be used with most 17 W through 215 W (2' -8') T5, T8, T9, T10, or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline, energy saving, and 4-pin long compact fluorescent lamps. 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 BAL 1400 is suitable for use in indoor fixtures EXCEPT air handling heated air outlets, and wet, damp, or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory.

## OPERATION

When AC power fails, the BAL 1400 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

## INSTALLATION

The BAL 1400 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 1400 may be installed inside, on top of, or remote from the fixture. The emergency ballast may be remote-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 for extended periods.



*Primary circuit only. Lamp leads not shown.*

## UL and CODE COMPLIANCE

The BAL 1400 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

Since high temperatures exist in fluorescent fixtures, the BAL 1400 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.



# BAL 1400

FLUORESCENT EMERGENCY BALLAST

Specification grade  
One or two lamp emergency illumination

## EMERGENCY ILLUMINATION

Depending on the number (1 or 2), wattage, and type of lamps selected, the BAL 1400 produces 1100 to 1400 lumens initial emergency light output (contact factory for specific information on the lumen output for different lamps). 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 Best BAL 1400 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 13 3/8" x 2 3/8" x 1 1/2" red metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating [one or two] \_\_\_\_\_ fluorescent lamp(s) at \_\_\_\_\_ lumens initial light output in the emergency mode for a minimum of 90 minutes. The BAL 1400 shall have 4.0 Watts of input power, a 24.0 Watt-hour battery capacity, and exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full five years from date of purchase.

## WARRANTY

Model BAL 1400 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 style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to +55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 13.3" x 2.4" x 1.5" (339mm x 60mm x 38mm) Mounting center 12.8"(325mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 1100 – 1400 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 4 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 280 mA</li> </ul>	
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 3.4 lbs. (1.5 Kg)</li> </ul>
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	



## BAL 3000

FLUORESCENT EMERGENCY BALLAST

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

### APPLICATION

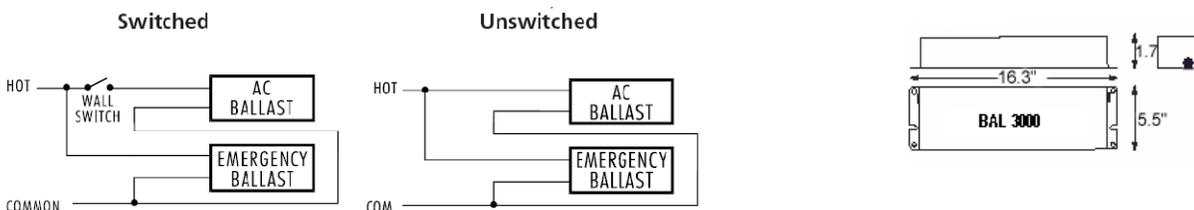
The BAL 3000 fluorescent emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a field-replaceable nickel-cadmium battery, charger and electronic circuitry in one red case. The BAL 3000 can be used with most 17 - 215 W (2'-8') T5, T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline, energy-saving and (4-pin) long, 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, damp 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, keeping one lamp illuminated at a reduced 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 inside, on top of, or remote from the fixture. The emergency ballast may be remote-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 for extended periods.



*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.



## BAL 3000

FLUORESCENT EMERGENCY BALLAST

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

### 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 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] \_\_\_\_\_ fluorescent lamp(s) at \_\_\_\_\_ lumens initial light output 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 style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to +55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 16.3" x 5.5" x 1.7" (414mm x 138mm x 44mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 1450 – 3000 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 8 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 280 mA</li> </ul>	<ul style="list-style-type: none"> <li>Mounting center 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 8.7 lbs. (3.95 Kg)</li> </ul>
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	



## BAL 650C-2

FLUORESCENT EMERGENCY BALLAST

Economical alternative for one 2-pin compact fluorescent lamp (with integral starter)

### APPLICATION

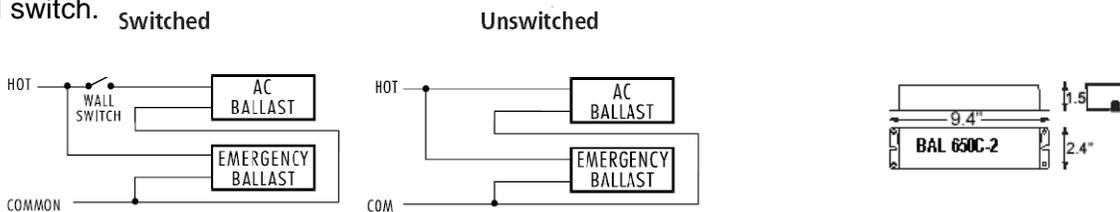
The BAL 650C-2 fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing compact fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact red case. This ballast can be used with most 10W through 26W compact fluorescent lamps with integral starters, including (2-pin) quad or triple twin-tube compacts. It is also compatible with most **electronic**, standard, and energy saving AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The BAL 650C-2 is not suitable for use in air handling heated air outlet fixtures, and wet, damp, or hazardous location fixtures. For information about specific lamps and ballast compatibility, please call the factory

### OPERATION

When AC power fails, the BAL 650C-2 immediately switches to the emergency mode operating one lamp at full light output for the first few seconds to start the lamp, then at reduced lumen output for a minimum of 90 minutes. When AC power is restored, the BAL 650C-2 automatically returns to the charging mode.

### INSTALLATION

The BAL 650C-2 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 650C-2 may be easily installed with a variety of compact fluorescent fixtures; however, some fixtures may not accommodate emergency equipment. In these situations, the BAL 650C-2 may be remote-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. For installation on top of the fixture, model BAL 650C-2 provides two feet of flexible conduit at each end of the ballast. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods. For simple visual inspection of the charging indicator light and operational testing, the test switch/monitor plate may be installed in the ceiling near the fixture or remote-installed by the fixture's wall switch.



Primary circuit only. Lamp leads not shown.

### UL and CODE COMPLIANCE

The BAL 650C-2 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

Since high temperatures exist in fluorescent fixtures, the BAL 650C-2 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.



## BAL 650C-2

FLUORESCENT EMERGENCY BALLAST

Economical alternative for one 2-pin compact fluorescent lamp (with integral starter)

### EMERGENCY ILLUMINATION

Depending on the wattage and type of lamps selected, the BAL 650C-2 produces 300 to 650 lumens of emergency initial light output. During emergency illumination, one lamp is illuminated, even if installed with a multilamp AC ballast.

### SPECIFICATION

Emergency lighting shall be provided by using a quad or triple twin-tube compact fluorescent fixture equipped with a BAL 650C-2 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" white metal case with two feet of flexible conduit at each end of the ballast. A test switch/monitor plate with test switch and charging indicator light shall be provided to monitor the charger and battery. The emergency ballast shall be capable of operating one \_\_\_\_\_ (wattage) [quad or triple] \_\_\_\_\_ (base) compact fluorescent lamp at \_\_\_\_\_ lumens in the emergency mode for a minimum of 90 minutes. The BAL 650C-2 shall have 3.5 Watts of input power, a 14.4 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full five years from date of purchase, and made in the U.S.A.

### WARRANTY

Model BAL 650C-2 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 style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to +55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm) 2' (610mm) Flexible conduit Mounting center 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 300– 650 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 3.5 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 270 mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 2.8 lbs. (1.27 Kg)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	



## BAL 650C-4

FLUORESCENT EMERGENCY BALLAST

One or two-lamp emergency illumination for 4-pin fluorescent lamps (without integral starter)

### APPLICATION

The BAL650C-4 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 high-temperature nickel cadmium battery, charger and electronic circuitry in one compact white case. The BAL650C-4 can be used with one 13 - 42 W or two 13 - 39 W (4-pin) twin, quad and *triple twin-tube* compacts. 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 BAL650C-4 is suitable for indoor locations and is not suitable for air handling heated air outlets or for wet, damp or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory

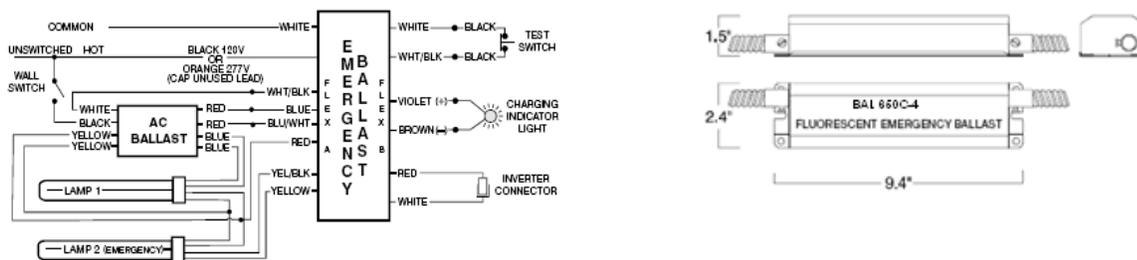
### OPERATION

When AC power fails, the BAL650C-4 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 BAL650C-4 automatically returns to the charging mode

### INSTALLATION

The BAL650C-4 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 BAL650C-4 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. For simple visual inspection of the charging indicator light and easy operational testing, the test/monitor plate can be installed near the fixture wall switch. Or, it can be installed in the ceiling near the fixture to ensure an unobtrusive installation. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

### Wiring Diagram Example



### UL and CODE COMPLIANCE

The BAL650C-4 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

Because high temperatures exist in fluorescent fixtures, the BAL650C-4 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance and has a life expectancy of 7- 10 years.



## BAL 650C-4

FLUORESCENT EMERGENCY BALLAST

One or two-lamp emergency illumination for 4-pin fluorescent lamps (without integral starter)

### EMERGENCY ILLUMINATION

Depending on the number (one or two), wattage and type of lamps selected, the BAL650C-4 produces 300 to 750 lumens initial emergency light output (contact factory for specific information on the lumen output for different lamps). If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination. Emergency lumen output will be less with one-lamp operation.

### SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a BAL650C-4 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" red metal case with 2' lengths of flexible conduit at each end. A test/monitor plate with a solid-state charging indicator light to monitor the charger and battery, a single-pole test switch and installation hardware shall be provided. The emergency ballast shall be capable of operating [one or two] \_\_\_\_\_ fluorescent lamp(s) at \_\_\_\_\_ lumens (see Table 1) initial light output in the emergency mode for a minimum of 90 minutes. The BAL650C-4 shall produce 300 to 750 lumens initial emergency light output, have 3.5 Watts of input power, have a 14.4 Watt-hour battery capacity and comply with 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

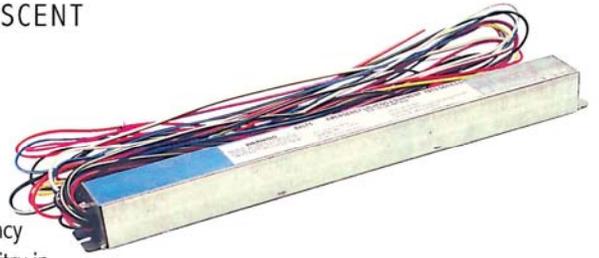
Model BAL650C-4 is warranted for five (5) full years from date of purchase. This warranty covers only properly installed Best emergency ballasts used under normal conditions. For the warranty period Best will, at its option, repair or replace without charge, a defective emergency ballast provided it 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 style="list-style-type: none"> <li>•<u>UL Listed</u> Factory or Field Installation</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dual Input Voltage</u> 120/277 VAC 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> High -Temperature Maintenance-Free Nickel-Cadmium</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Temperature Rating (Ambient)</u> 0°C to +55°C(32°F to 131°F)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Illumination Time</u> 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Current</u> 280mA</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery</u> 7 to 10 Life Expectancy</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Dimensions</u> 9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Initial Light Output</u> 300– 750 Lumens</li> </ul>	<ul style="list-style-type: none"> <li>•<u>AC Input Power Rating</u> 3.5 Watts</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Battery Charging Current</u> 270 mA</li> </ul>	<ul style="list-style-type: none"> <li>2' (610mm) Flexible conduit Mounting center 8.9"(226mm)</li> </ul>
<ul style="list-style-type: none"> <li>•<u>Full Warranty</u> 5 Years (NOT pro-rata)</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Test Switch</u> Single Pole</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Recharge Time</u> 24 Hours Charging</li> </ul>	<ul style="list-style-type: none"> <li>•<u>Weight</u> 3 lbs. (1.4 Kg)</li> </ul>
		<ul style="list-style-type: none"> <li>•<u>Indicator Light</u> LED</li> </ul>	

# BALT5-500

## LOW-PROFILE FLUORESCENT EMERGENCY BALLAST



### APPLICATION

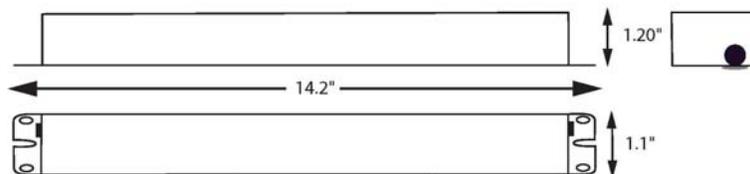
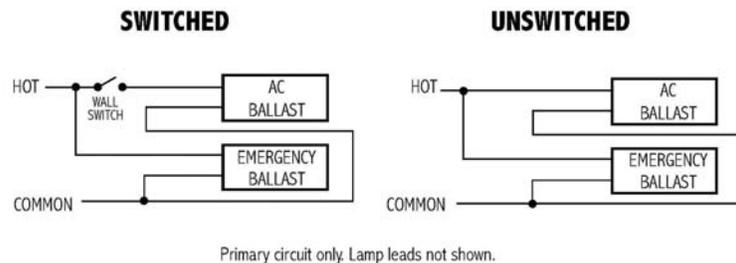
The BALT5-500 low-profile fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact case. The BALT5-500 can be used with one (1) 14W-32W (2' - 4') T5 or T8 fluorescent lamps without integral starters. It is also compatible with most electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet or hazardous location fixtures. For information about specific lamp and ballast compatibility, please consult the factory. This ballast has additional features, such as time-delay enhancement and open circuit isolation that enables the emergency battery pack to function smoothly with 'End-of-Lamp-Life' circuitry in newer AC ballasts. This would provide an additional level of unit production from over-voltage caused by an absence of lighting load.

### OPERATION

When AC power fails, the BALT5-500 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### INSTALLATION

The BALT5-500 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 BALT5-500 may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods.



### UL AND CODE COMPLIANCE

The BALT5-500 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electric Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

## BATTERY

Since high temperatures exist in fluorescent fixtures, the BALT5-500 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.

## EMERGENCY ILLUMINATION

The BALT5-500 produces 450-500 lumens initial emergency output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with Best BALT5-500 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 14.2" x 1.1" x 1.2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating one (1) 14W-32W (2' - 4') T5 or T8 fluorescent lamps without integral starters at reduced illumination in the emergency mode for a minimum of 90 minutes. The BALT5-500 shall produce 450 to 500 lumens initial emergency light output, have 2.5 Watts of input power, a 9 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BALT5-500 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

450-500 Lumens

### FULL WARRANTY

5 Years (NOT pro-rata)

### DUAL VOLTAGE INPUT

120/277 VAC  
60 Hz

### AC INPUT CURRENT

127mA/120mA

### AC INPUT POWER RATING

2.5 Watts

### TEST SWITCH

Single pole

### BATTERY

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

### BATTERY CHARGING CURRENT

127mA/120mA

### RECHARGE TIME

24 Hours

### CHARGING INDICATOR LIGHT

LED

### TEMPERATURE RATING (AMBIENT)

0°C TO +55°C  
(32°F TO 131°F)

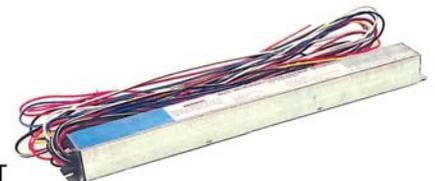
### DIMENSIONS

14.2" x 1.1" x 1.2"  
Mounting center 13.5"

### WEIGHT

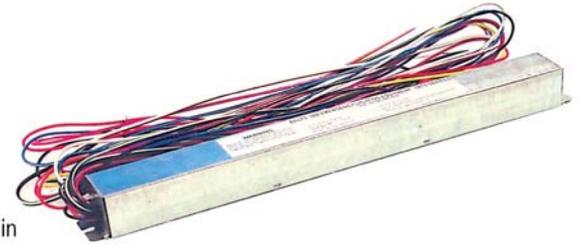
1.36 lbs (0.6 kg)

# BALT5-500 LOW-PROFILE FLUORESCENT EMERGENCY BALLAST



# BALT5-800

## LOW-PROFILE FLUORESCENT EMERGENCY BALLAST



### APPLICATION

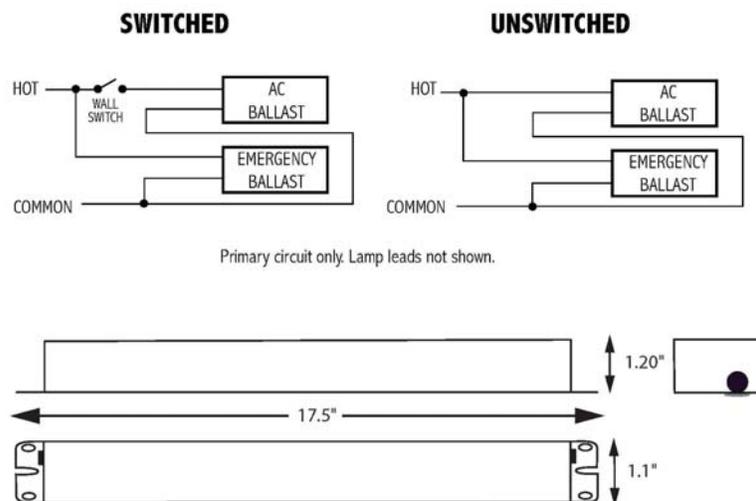
The BALT5-800 low-profile fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact case. The BALT5-800 can be used with one (1) 14W-54W (2' - 4') T5 fluorescent lamps, 17W-40W T8 lamps without integral starters, and 17W-55W 4-pin long compact lamps. It is also compatible with most electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet or hazardous location fixtures. For information about specific lamp and ballast compatibility, please consult the factory. This ballast has additional features, such as time-delay enhancement and open circuit isolation that enables the emergency battery pack to function smoothly with 'End-of-Lamp-Life' circuitry in newer AC ballasts. This would provide an additional level of unit production from over-voltage caused by an absence of lighting load.

### OPERATION

When AC power fails, the BALT5-800 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### INSTALLATION

The BALT5-800 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 BALT5-800 may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods.



### UL AND CODE COMPLIANCE

The BALT5-800 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electric Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

## BATTERY

Since high temperatures exist in fluorescent fixtures, the BALT5-800 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.

## EMERGENCY ILLUMINATION

The BALT5-800 produces 800 lumens initial emergency output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with Best BALT5-800 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 17.5" x 1.1" x 1.2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating one (1) 14W-54W (2' - 4') T5, 14W-40W T8 fluorescent lamps without integral starters, and 17W-55W 4-pin long compact lamps at reduced illumination in the emergency mode for a minimum of 90 minutes. The BALT5-800 shall produce 800 lumens initial emergency light output, have 2.5 Watts of input power, a 15 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BALT5-800 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

800 Lumens

### FULL WARRANTY

5 Years (NOT pro-rata)

### DUAL VOLTAGE INPUT

120/277 VAC  
60 Hz

### AC INPUT CURRENT

128mA/122mA

### AC INPUT POWER RATING

2.5 Watts

### TEST SWITCH

Single pole

### BATTERY

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

### BATTERY CHARGING CURRENT

128mA/122mA

### RECHARGE TIME

24 Hours

### CHARGING INDICATOR LIGHT

LED

### TEMPERATURE RATING (AMBIENT)

0°C TO +55°C  
(32°F TO 131°F)

### DIMENSIONS

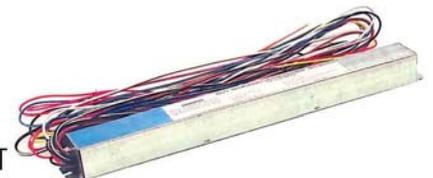
17.5" x 1.1" x 1.2"  
Mounting center 16.9"

### WEIGHT

1.7 lbs (0.8 kg)

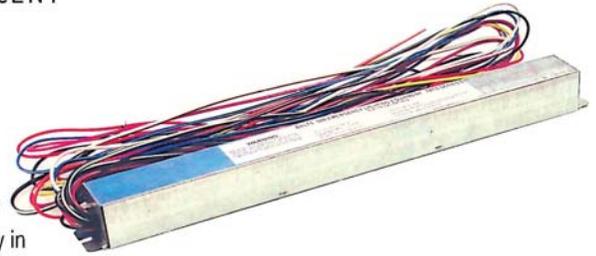
# BALT5-800

LOW-PROFILE  
FLUORESCENT EMERGENCY BALLAST



# BALT5-1300

## LOW-PROFILE FLUORESCENT EMERGENCY BALLAST



### APPLICATION

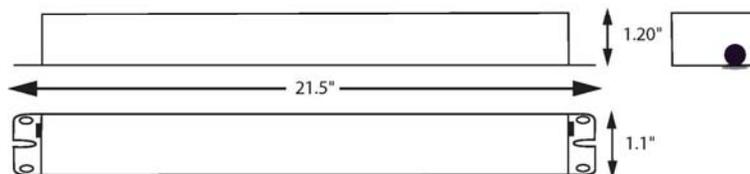
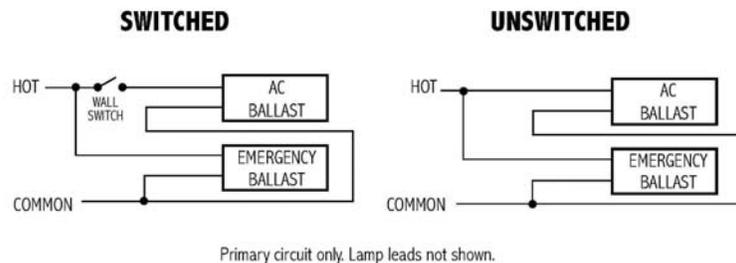
The BALT5-1300 low-profile fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact case. The BALT5-1300 can be used with one (1) 14W-54W (2' - 4') T5 fluorescent lamps, 17W-40W T8 lamps without integral starters, and 17W-55W 4-pin long compact lamps. It is also compatible with most electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. This ballast is not suitable for use in air handling heated air outlet fixtures, and wet or hazardous location fixtures. For information about specific lamp and ballast compatibility, please consult the factory. This ballast has additional features, such as time-delay enhancement and open circuit isolation that enables the emergency battery pack to function smoothly with 'End-of-Lamp-Life' circuitry in newer AC ballasts. This would provide an additional level of unit production from over-voltage caused by an absence of lighting load.

### OPERATION

When AC power fails, the BALT5-1300 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### INSTALLATION

The BALT5-1300 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 BALT5-1300 may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods.



### UL AND CODE COMPLIANCE

The BALT5-1300 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electric Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

## BATTERY

Since high temperatures exist in fluorescent fixtures, the BALT5-1300 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years.

## EMERGENCY ILLUMINATION

The BALT5-1300 produces 1300 lumens initial emergency output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with Best BALT5-1300 emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 14.2" x 1.1" x 1.2" white metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency ballast shall be capable of operating one (1) 14W-54W (2' - 4') T5, 17W-40W T8 fluorescent lamps without integral starters, and 17W-55W 4-pin long compact lamps at reduced illumination in the emergency mode for a minimum of 90 minutes. The BALT5-1300 shall produce 1300 lumens initial emergency light output, have 2.5 Watts of input power, a 21 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside, on top of, or remote from the fixture, warranted for a full year from date of purchase, and made in the U.S.A.

## WARRANTY

Model BALT5-1300 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

1300 Lumens

### FULL WARRANTY

5 Years (NOT pro-rata)

### DUAL VOLTAGE INPUT

120/277 VAC  
60 Hz

### AC INPUT CURRENT

126mA/122mA

### AC INPUT POWER RATING

2.5 Watts

### TEST SWITCH

Single pole

### BATTERY

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

### BATTERY CHARGING CURRENT

126mA/122mA

### RECHARGE TIME

24 Hours

### CHARGING INDICATOR LIGHT

LED

### TEMPERATURE RATING (AMBIENT)

0°C TO +55°C  
(32°F TO 131°F)

### DIMENSIONS

21.5" x 1.1" x 1.2"  
Mounting center 20.9"

### WEIGHT

2.1 lbs (0.9 kg)

# BALT5-1300 LOW-PROFILE FLUORESCENT EMERGENCY BALLAST



# fluorescent emergency LIGHTING BALLASTS

## BAL Specifications

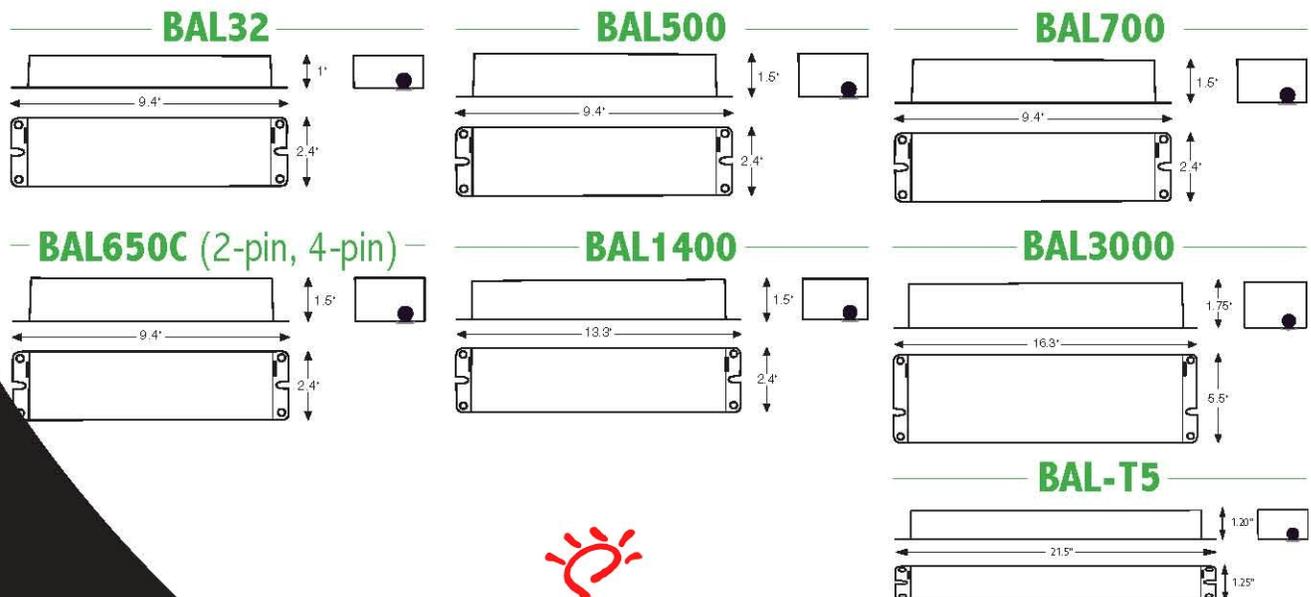
### LAMP COMPATIBILITY CHART

MODEL	BAL500	BAL650C-2	BAL700	BAL650C-4	BAL1400	BAL3000	Low-profile ballasts	
							BAL32	BAL-T5
Lumens	500	650	700	650	1400	3000	500	1300
<i>Linear Lamps</i>	<i>Number of lamps supported</i>							
2'-4' Rapid, Instant, or Energy Savings, T8-T12, HO, VHO	1		1 or 2		1 or 2	1 or 2	1 <i>(17W-32W only)</i>	1
2'-8' Rapid, Instant, or Energy Savings, Circline T8-T12, HO, VHO			1		1	1		
8W-28W – T5*	1		1		1 or 2	1 or 2	1	1
54W – T5HO					1 or 2	1 or 2		1
<i>Compact Fluorescent Lamps</i>	<i>Number of lamps supported</i>							
13W-39W Twin, Quad or Triple (4-pin)		1 (2-pin only)		1 or 2		1 or 2		
40W-42W Twin, Quad or Triple (4-pin)				1		1 or 2		
17W-40W 4-pin compact	1		1 or 2		1 or 2	1 or 2	1	1
40W-55W 4-pin compact			1		1	1		
<p>*The ballast may not fit in a typical T5 fixture and needs to be remotely mounted.            Other lamp types may operate with these ballasts. Please consult factory for compatibility.            All ballasts are standard with dual 120/277 Volt input.            Damp location listed (0°C to 50°C)</p>								

The BAL fluorescent emergency ballast allows the same fixture to be used for both normal and emergency operation.

In the event of a power failure, the BAL switches to the emergency mode and operates one or two of the existing lamps for a minimum of 90 minutes.

The unit contains a battery, charger and inverter circuit in a single package. The BAL can be mounted in the wireway or on top of the fixture, and is UL Listed for factory installation or retrofit applications.



americanlite