

# bodine

## Emergency Ballast

Linear fluorescent

LP600



Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

Low-Profile for Space-Limited Fixtures  
Standard and HO T5 and T8 Lamps  
End-of-Lamp-Life Compatible

Product order number: LP600M (galvanized metal case)

### Specifications

#### UL Listed for US and Canada

Listed to UL924 and tested to CSA 22.2 No. 141  
Field or Factory Installation (Indoor and Damp)Out-  
put Class 2 Compliant

#### Illumination Time

90 Minutes

#### Initial Light Output

600 - 1325 Lumens @ 25°C

#### Full Warranty

5 Years (NOT pro-rata)

#### Dual Input Voltage

120/277 VAC, 60 Hz

#### AC Input Current

180 mA

#### AC Input Power Rating

3.0 Watts

#### Test Switch

Single Pole

#### Battery

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

#### Battery Charging Current

165 mA

#### Recharge Time

24 Hours

#### Charging Indicator Light

LED

#### Temperature Rating (Ambient)

0°C to +50°C (32°F to 122°F)

#### Dimensions

21.5" L x 1.18" W x 1.18" H  
(546 mm x 30 mm x 30 mm)  
Mounting Center 21.1" (536 mm)

#### Weight

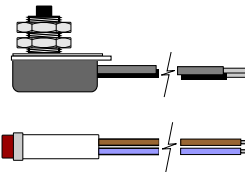
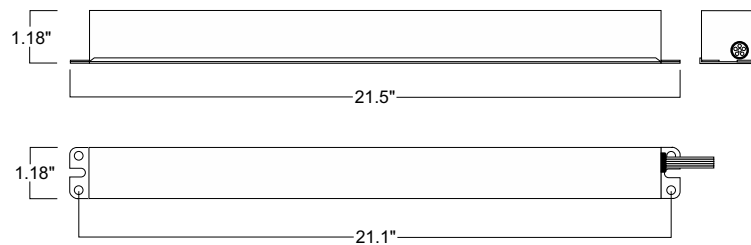
3.3 lbs. (1.5 kg)

### Benefits:

- Low Profile case
- Emergency mode lumen output up to 1325 lumens
- End-of-Lamp-Life Compatible
- Compatible with TLED lamps (see Table 1)

### Dimensions

21.5" x 1.18" x 1.18" (mounting center - 21.1")



A test switch and charging indicator light is provided.

# LP600 Emergency ballast, low-profile for space-limited fixtures

## Application

The LP600 low-profile emergency ballast works in conjunction with a low-profile or standard-size AC ballast to convert new or existing standard or high-output T5 and T8 fluorescent fixtures into unobtrusive emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact case. The LP600 can be used with one 14 - 54 W (2' - 4') standard or high-output T5; 17 - 55 W (2' - 5') standard or high-output T8; or 36 - 55 W (4-pin) long compact fluorescent lamp. (see Table 1). Also operates Philips LED T8 Models: 9290002840, 9290002841, 9290002842, 9290002862, 9290008964, 9290008965. 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 LP600 is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please contact the factory. Recommended applications include: emergency lighting for pendant, cove, recessed indirect/direct, surface-mount and architectural lighting commonly used in office, hospitality, health care, retail and educational facilities.

## Operation

When AC power fails, the LP600 immediately switches to the emergency mode, operating one lamp at high lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and, using a patented circuit, delays AC ballast operation for approximately three seconds to prevent false tripping of AC ballast end-of-lamp-life shutdown circuits.

## Installation

The LP600 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 LP600 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.

## Emergency Illumination

Depending on the wattage and type of lamp selected, the LP600 produces 600 to 1325 lumens initial emergency light output. During emergency operation, one lamp is illuminated, even if installed with a multi-lamp AC ballast.

## Specification

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Bodine LP600 low-profile emergency ballast. The LP600 shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 21.5" x 1.18" x 1.18" galvanized steel 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, using a patented circuit, shall delay AC ballast operation for approximately three seconds to prevent false tripping of AC ballast end-of-lamp-life shutdown circuits. The emergency ballast shall be capable of operating one \_\_\_\_\_ fluorescent lamp at \_\_\_\_\_ lumens (see Table 2) initial emergency light output in the emergency mode for a minimum of 90 minutes. It shall be suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The LP600 shall have 3 Watts of input power and an 21.0 Watt-hour battery capacity and shall exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed (Pending) for factory or field installation.

## Warranty

Model LP600 is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

**Table 1 Lamp Compatibility**

LAMP DIAMETER	BASE	WATTAGE (Length)	NO. of LAMPS (EMERGENCY)
T5/HO	Miniature Bipin	24-54 W (2'-4')	1
T5	Miniature Bipin	14-28 W (2'-4')	1
Long Compact	4-pin (2G11)	36-55 W	1
T8	Bipin	32 W (4')	1
		40 W (5')	1
Philips LED T8 InstantFit	Bipin	14.5W (4')	1
T8/HO	Bipin	44 W (4')	1

**Table 2 Initial Lumen Output**

LAMP	LUMENS
	1 Lamp
FP54, F54T5/HO	1250
FP39, F39T5/HO	1125
FP24, F24T5/HO	725
FP28, F28T5	1250
FP21, F21T5	1025
FP14, F14T5	750
FP17T8	650
FP25T8	750
F32T8, (4')	1100
F40T8 (5')	1325
F40T8/HO (4', 44 W)	1275
PL-L 50W, F50BX/RS, FT55DL	1050
PL-L 40W, F40/30BX, FT40DL/RS	925
PL-L 36W, F39/36BX, FT36DL	900
Philips LED T8 InstantFit	575

