



Emergency Ballasts

Linear Fluorescent

B60LP



Project: \_\_\_\_\_  
Type: \_\_\_\_\_  
Model No: \_\_\_\_\_ Qty: \_\_\_\_\_  
Date: \_\_\_\_\_  
Notes: \_\_\_\_\_

## Low-Profile for Space-Limited Fixtures 1 or 2 Lamp Emergency Illumination End-of-Lamp-Life Compatible

Product order number: B60LP (metal case)

### Specifications

#### UL LISTED

Factory or Field Installation  
(Damp)

#### Illumination Time

90 Minutes

#### Initial Light Output

350 - 700 Lumens

#### Full Warranty

3 Years (NOT pro-rata)

#### Dual Input Voltage

120/277 VAC, 60 Hz

#### AC Input Current

200 mA

#### AC Input Power Rating

3.5 Watts

#### Test Switch and Charging Indicator Light

Single Pole with Integrated LED  
(Illuminated Test Switch)

#### Battery

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

#### Battery Charging Current

200 mA

#### Recharge Time

24 Hours

#### Temperature Rating (Ambient)

0°C to +50°C (32°F to 122°F)

#### Dimensions

16.7" x 1.7" x 1.18"  
(424 mm x 43 mm x 30 mm)  
Mounting Center 16.33" (415 mm)

#### Weight

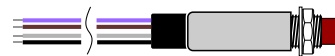
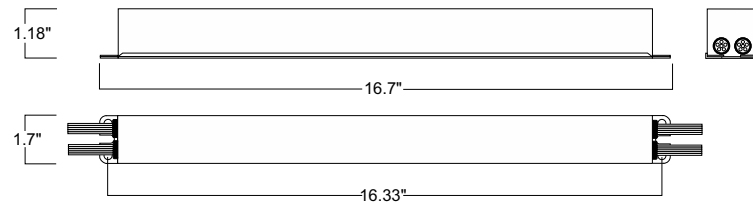
2.25 lbs. (1.02 kg)

### Benefits:

- Low Profile case
- Emergency mode lumen output up to 700 lumens
- One or Two-lamp operation
- End-of-Lamp-Life Compatible

### Dimensions

16.7" x 1.7" x 1.18" (mounting center - 16.33")



*An illuminated test switch/charging indicator light is provided.*



# B60LP

## Flourescent Emergency Ballast, Low-Profile for Space-Limited Fixtiures

**Table 1** Lamp Compatibility

LAMP DIAMETER	BASE	WATTAGE (Length)	NO. of LAMPS (EMERGENCY)
1", 1¼", 1½" T8, T9, T10, T12	Single or Bipin	32-40 W (2'-4')	1
		40-215 W (5'-8')	2
			1

**Table 2** Initial Lumen Output

LAMP	LUMENS	
	1 Lamp	2 Lamps
FO32, FBO31 T8	575	650
F40T12, F40/U	350	500
F40T12/ES (34 W)	350	500
F96T12 HO, VHO	600	

### APPLICATION

The B60LP emergency ballast works in conjunction with an AC ballast to convert new or existing 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 B60LP can be used with most 32- 215 W (2' - 8') T8, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving (see Table 1). 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 B60LP is suitable for indoor and damp locations and for sealed & gasketed fixtures. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory.

### OPERATION

When AC power fails, the B60LP immediately switches to the emergency mode, operating either one or two lamps at a reduced 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 3 seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits.

### INSTALLATION

The B60LP 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 B60LP may be installed inside, 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.

### EMERGENCY ILLUMINATION

Depending on the number (one or two), wattage and type of lamps selected, the B60LP produces 350 to 700 lumens initial emergency light output (see Table 2). 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 Philips Bodine B60LP fluorescent emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and

electronic circuitry contained in one 16.7" x 1.7" x 1.18" metal case. A solid-state charging indicator light to monitor the charger and battery integrated into a single-pole test switch and installation hardware shall be provided. The emergency ballast, using a patented circuit, delays AC ballast operation for approximately 3 seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. The emergency ballast shall be capable of operating [one or two] \_\_\_\_\_ fluorescent lamp(s) at \_\_\_\_\_ lumens (see Table 2) initial 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. The B60LP shall have 3.5 Watts of input power and a 12.0 Watt-hour battery capacity and shall 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.

### WARRANTY

Model B60LP is warranted for three (3) full years from date of manufacture. Please see detailed warranty information on our web site.

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