

B60LP

EMERGENCY LIGHTING EQUIPMENT

PHILIPS bodine

A Division Of Philips Electronics North America Corporation

**One- or two-lamp emergency;
End-of-lamp-life compatible;
For damp locations**

Product Summary

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)

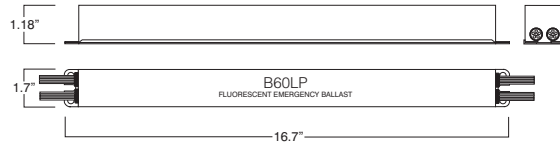
Dimensions

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)

Emergency ballasts can be modified to accommodate special voltages, frequencies and longer run times.



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 17 - 215 W (2' - 8') T8, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving, and (4-pin) long compacts (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.

UL AND CODE COMPLIANCE

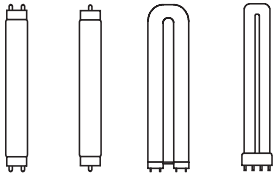
The B60LP has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Light and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

Specifiers Reference

Project _____ Type _____ Model No. _____
Comments _____

L2000072

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**One- or two-lamp emergency;
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For damp locations**

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 and shall be warranted for a full three years from date of purchase.

WARRANTY

Model B60LP is warranted for three (3) full years from date of purchase. This warranty covers only properly installed Philips Bodine emergency ballasts used under normal conditions. For the warranty period, Philips Emergency Lighting 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.

Table 1 - Lamp Compatibility

| LAMP DIAMETER | BASE | WATTAGE (Length) | NO. of LAMPS (EMERGENCY) |
|----------------------------------|-----------------|------------------|--------------------------|
| 1", 1¼", 1½" T8, T9, T10, T12 | Single or Bipin | 17-40 W (2'-4') | 1 |
| | | 40-215 W (5'-8') | 2 |
| Long Compact | 4-pin (2G11) | 18-40 W | 1 |

Table 2 - Initial Lumen Output

| LAMP | LUMENS | |
|-------------------------------------|--------|---------|
| | 1 Lamp | 2 Lamps |
| FO32, FB031 T8 | 575 | 650 |
| FO25, FB024 T8 | 450 | 575 |
| FO17, FB016 T8 | 375 | 550 |
| FO96 T8 | 700 | |
| F40T12, F40/U | 350 | 500 |
| F40T12/ES (34 W) | 350 | 500 |
| F96T12 HO, VHO | 600 | |
| PL-L 40W, F40/30BX, Dulux L 40 W | 625 | |
| PL-L 36W, F39/36BX, Dulux L 36 W | 525 | |
| PL-L 24W, F27/24BX/RS, Dulux L 24 W | 375 | 475 |
| PL-L 18W, F18BX, Dulux L 18 W | | 375 |

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