

LP400

EMERGENCY LIGHTING EQUIPMENT

PHILIPS bodine

Featuring a low-profile case

A Division Of Philips Electronics North America Corporation

Product Summary

UL LISTED

Factory or Field Installation

Illumination Time

90 Minutes

Initial Light Output

450 Lumens @ 25°C

Full Warranty

3 Years (NOT pro-rata)

Dual Input Voltage

120/277 VAC, 60 Hz

AC Input Current

100 mA

AC Input Power Rating

1.5 Watts

Test Switch

Single Pole

Battery

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

Battery Charging Current

90 mA

Recharge Time

24 Hours

Charging Indicator Light

LED

Temperature Rating (Ambient)

0°C to +55°C
(32°F to 131°F)

Dimensions

14.1" L x 1.5" W x 1" H
(356 mm x 38 mm x 25 mm)
Mounting Center 13.7" (348 mm)

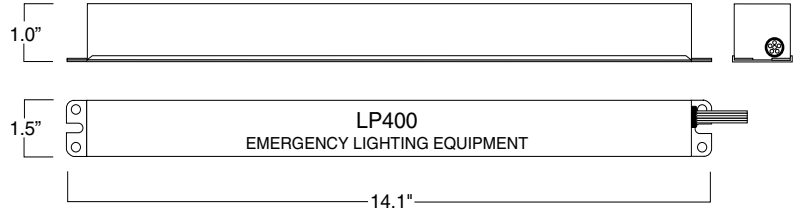
Weight

1.9 lbs. (.86 kg)

Product Features

Low-Profile Design for Ballast
Channel Installation in Space-Limited Fixtures.

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



APPLICATION

The LP400 emergency ballast works in conjunction with a slim AC ballast to convert new or existing low-profile 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 LP400 is for use with one 32 W (4') T8 fluorescent lamp. 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 LP400 is suitable for indoor locations. It is not suitable for air handling heated air outlets or wet, damp or hazardous locations. For information about specific lamp and ballast compatibility, please call 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 LP400 immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the LP400 automatically returns to the charging mode.

INSTALLATION

The LP400 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 LP400 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.

UL and CODE COMPLIANCE

The LP400 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.

Specifiers Reference

Project _____ Type _____ Model No. _____
Comments _____

L2000012

07/29/11 © Philips Emergency Lighting
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EMERGENCY ILLUMINATION

The LP400 produces 450 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 Philips Bodine LP400 emergency ballast. The LP400 shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 14.1" x 1.5" x 1" 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 shall be capable of operating one 32 W (4') T8 fluorescent lamp at a reduced illumination in the emergency mode for a minimum of 90 minutes. It shall be suitable for indoor locations. The LP400 shall have 1.5 Watts of input power and a 9.0 Watt-hour battery capacity and shall exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside or on top of the fixture and shall be warranted for a full three years from date of purchase.

WARRANTY

Model LP400 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	LUMENS
F032T8	450

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For the most current technical information and notices, please visit TechNotes on our website.