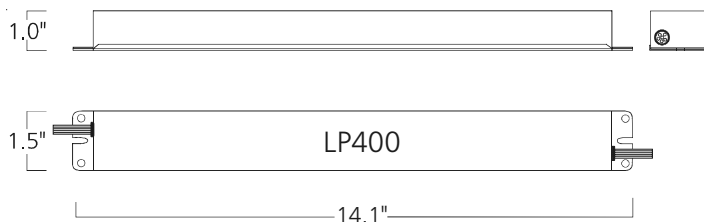




# LP400

FLUORESCENT EMERGENCY BALLAST

Featuring a low-profile case



## APPLICATION

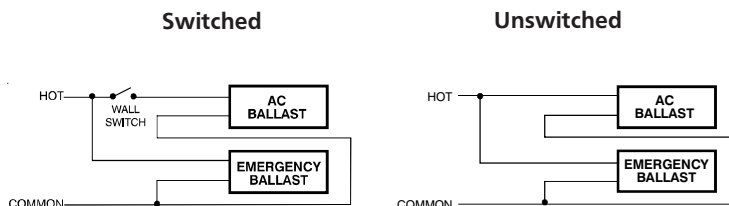
The LP400 fluorescent emergency ballast works in conjunction with a *slim* AC ballast to convert new or existing low-profile fluorescent fixtures into unobtrusive emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact 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 for 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.



*Primary circuit only. Lamp leads not shown.*

## 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 installation or field retrofit. 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 LP400 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance and has a life expectancy of 7-10 years.



# LP400

FLUORESCENT EMERGENCY BALLAST

Featuring a low-profile case



## 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.

TABLE 1	
LAMP	LUMENS
F032T8	450

## SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a 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. The LP400 shall have 1.5 Watts of input power and a 7.2 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 Bodine emergency ballasts used under normal conditions. For the warranty period, Bodine 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 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