

Type No. _____
Job Name _____
Catalog No. _____



Shown: LTP450



LTP450

Low Profile Fluorescent Emergency Ballast For One Lamp Operation 450 Lumen Maximum Output

The LTP450 Fluorescent Emergency Ballast converts switched and unswitched fluorescent lighting into code required emergency lighting. The LTP450 may be installed in or near the fixture to provide unobtrusive life safety protection.

Housing

- Constructed of 22 gauge steel with a high temperature powder coat paint finish
- Low profile housing allows mounting on most low-profile fluorescent fixtures with low profile AC ballast

Electronics

- 120/277 VAC dual voltage input with solid state charging circuitry provides for a reliable charging system
- Charging system complete with AC LED indicator lamp and high performance momentary test switch

Electrical Specifications

Input power requirements:
1.0 watt max

Warranty

Electronics : 1 year
Battery: 1 year

Lamp Operation¹

Operates the following lamp types:²
T8/HO T8 (1") Linear Fluorescent
T12 (1-1/2") Linear Fluorescent
T5 Long (4-Pin) Compact Fluorescent

NOTES:

- 1) Consult factory for compatibility, operation and performance of product with lamp types not listed.
2) See Table 1 for specific lamp performance and operation

Battery

- Maintenance free, high temperature sealed nickel cadmium battery
- Supplies 90 minutes of emergency power
- Battery has an estimated service life of 10 years, with an operating temperature range of 32°F (0°C) to 131°F (55°C)

Application

- Commercial locations where emergency lighting protection is required using existing fluorescent lighting

Code Compliance

- UL 924 listed
- UL listed for damp locations 32°F (0°C) to 131°F (55°C)
- NFPA 70 and NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

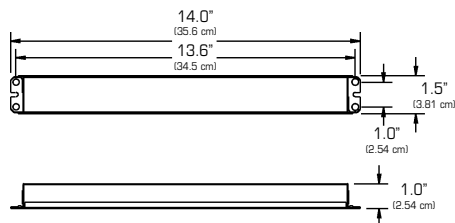
Lamp Operation and Performance Table 1

LINEAR LAMPS	WATTAGE	BASE TYPE	EMERGENCY LAMP OPERATION
Rapid, Instant, Energy Saving T8 through T12 (2' - 4')	30-40	Single-Pin Bi-Pin	One
COMPACT LAMPS	WATTAGE	BASE TYPE	EMERGENCY LAMP OPERATION
T5 Long Compact	30-32	2G11 4-Pin	One

Ordering Information

LTP450	
MODEL	OPTIONS
LTP450 = 450 Max. Lumen Output Fluorescent Emergency Ballast for One Lamp Operation	EX = Special Input Transformer (Specify voltage & frequency) DL = Damp Location

Dimensions



Dimensions are approximate and subject to change.

Illumination

The LTP450 provides 90 minutes of one lamp emergency illumination by utilizing existing fluorescent lighting, and produces 450 lumens initial emergency light output. The LTP450 can be used with most 30w to 40w (2'-4') T8, T10, or T12 fluorescent lamps without integral starters, including U-shaped and 4-pin long compact fluorescent lamps (30w to 42w). It is also compatible with most 1, 2, 3 and 4-lamp electronic, standard, energy saving and dimming AC ballasts. See lamp operation for specific lamp types.

Electronics

Dual voltage 120/277 VAC input is standard.

An indicator light and test switch are available to signify that AC utility is present, and periodically transfer to emergency operation.

Battery charging circuitry is entirely solid-state, and of a constant current design. Battery recharge time after a complete discharge is less than the required UL 924 standard.

Solid-state circuitry causes an instantaneous transfer to battery power if either the loss of AC utility, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch installed on the luminaire, or in a remote location.

Suggested Specification

Furnish and install LightGuard's low-profile fluorescent emergency ballast model LTP450. The unit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC), and be approved for installation inside, on top of, or remote from the chosen luminaire.

INSTALLATION AND OPERATION - Unit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

CHARGER - Unit shall utilize a solid-state, constant current charging system which will maintain the battery at full capacity without the need for periodic exercising or equalization.

BATTERY - The battery shall be a maintenance free, high temperature nickel cadmium battery. The nickel cadmium battery shall utilize sintered plate construction and polypropylene separators for trouble-free operation in ambient temperatures up to 131°F (55°C). Nickel cadmium batteries shall be supplied with a one year full warranty.

ENCLOSURE - The housing shall be constructed of 22 gauge steel with a high temperature powder coat paint finish. The slim housing shall allow for mounting on most low-profile fluorescent fixtures with low profile AC ballast.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



272 West Stag Park Service Road • Burgaw, NC 28425
(910) 259-1131 • FAX (800) 403-6927
www.lightguard.com

L2240R6
5/09 IH