

Type No. \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Catalog No. \_\_\_\_\_



Shown: LTP520T



# LTP520T

## Low Profile Fluorescent Emergency Ballast

### For One Lamp Operation

### 520 Lumen Maximum Output

The LTP520T Fluorescent Emergency Ballast converts switched and unswitched fluorescent lighting into code required emergency lighting. The LTP520T may be installed in or on 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 in 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 an indicator light and high performance momentary test switch

### Electrical Specifications

Input power requirements:  
 1.5 watts max

### Warranty

Electronics: 1 year  
 Battery: 1 year

### Lamp Operation <sup>1</sup>

Operates the following lamp types:  
 21 to 28w, 2' to 4' T5 (5/8") Linear Fluorescent  
 32w, 4' T8 Linear Fluorescent  
 End of lamp life compatible

#### NOTES:

1) Consult factory for compatibility, operation and performance of product with lamp types not listed.

### 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 122°F (50°C)

### Application

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

### Code Compliance

- UL 924 listed
- Suitable for use in sealed and gasketed luminaires
- NFPA 70 and NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

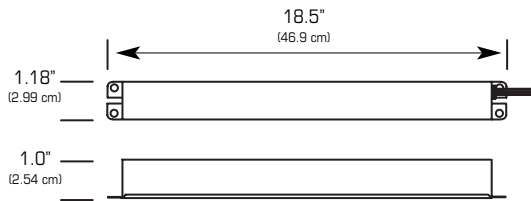
### Lamp Operation and Performance

LINEAR LAMPS	WATTAGE	BASE TYPE	EMERGENCY LAMP OPERATION
T5	21-28	Bi-Pin	One
T8	32	Bi-Pin	One

## Ordering Information

<b>LTP520T</b>
<b>MODEL</b>
<b>LTP520T</b> = 520 Max. Lumen Output Fluorescent Emergency Ballast for One Lamp Operation

## Dimensions



Dimensions are approximate and subject to change.

## Illumination

The LTP520T provides 90 minutes of one lamp emergency illumination by utilizing existing fluorescent lighting, and produces 520 lumens initial emergency light output. The LTP520T can be used with most 2' to 4' 21w to 28w T5 fluorescent lamps without integral starters or 4' T8 linear fluorescent lamps. It is also compatible with most electronic, and dimming AC ballasts. See lamp operation for specific lamp types.

## Suggested Specification

Furnish and install LightGuard's low-profile fluorescent emergency ballast model LTP520T. 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 or on top of 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 provide trouble-free operation in ambient temperatures up to 122°F (50°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 in most low-profile fluorescent fixtures with low profile AC ballast.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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