



Type No. \_\_\_\_\_

Job Name \_\_\_\_\_

Catalog No. \_\_\_\_\_



Shown: L3000T5



# L3000T5

## Fluorescent Emergency Ballast For One Lamp Operation 2,700 Lumen Maximum Output

The L3000T5 Fluorescent Emergency Ballast converts switched and unswitched fluorescent lighting into code required emergency lighting. The L3000T5 may be installed in or near the fixture to provide unobtrusive life safety protection.

### Housing

- Constructed of 24 gauge steel with a high temperature powder coat finish

### Electronics

- 120/277 VAC dual voltage input with surge protection, solid state charging circuitry provides for a reliable charging system
- Charging system complete with AC indicator lamp and test switch
- Fully compatible with AC ballast equipped with end of lamp life circuitry

### Electrical Specifications

- Input power requirements: 120/277 VAC, 60 Hz, 4.5 W

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

- Operates the following lamp types:<sup>2</sup>
  - 2'-4' 28 W T5
  - 2'-4' 54 W T5 HO

#### 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, 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
- Optional Damp Location listing for use in 0°C to 55°C
- NFPA70 and NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

### Warranty

- Electronics: 5 years
- Battery: 5 years

Lamp Operation and Performance - Table 1

LAMP TYPE	WATTAGE	BASE TYPE	NON-EMERGENCY MAX. LUMEN OUTPUT	EMERGENCY OP. MAX. LUMEN OUTPUT	EMERGENCY LAMP OPERATION
F28W/T5	28	G5/Min Bi-Pin	2900	2450	One
F54/T5	54	G5/Min Bi-Pin	4600	2700	One

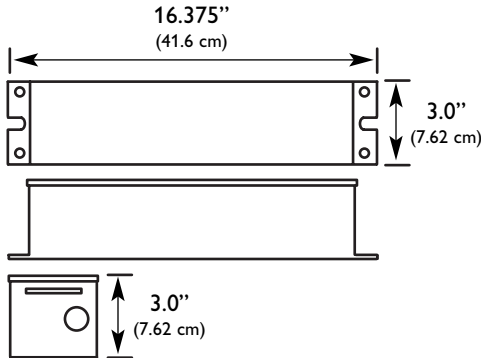
NOTES: 1) Maximum non-emergency lumen output can vary based on lamp manufacturer, ambient operating temperature, and ballast manufacturer. 2) Maximum emergency lumen output is based on total output of one or two lamps, and can vary based on lamp manufacturer and ambient operating temperature. 3) Consult factory for compatibility, operation and performance of lamp types not listed.

**Ordering Information**

L3000T5	
MODEL	OPTIONS
L3000T5 = 2,700 Max. Lumen Output Fluorescent Emergency Ballast for One Lamp Operation	DL = Damp Location Listing

ACCESSORIES (Ordered Separately)
RTS2 = Remote Test Switch & Pilot Light Kit (includes plate)

**Dimensions**



Dimensions are approximate and subject to change.

**Illumination**

- The L3000T5 provides 90 minutes of emergency illumination, and produces a maximum of 2,700 initial lamp lumens. The L3000T5 can be used with most 2'-4' 28 and 54 W T5 HO lamps. The L3000T5 is also compatible with most 1-, 2-, 3-, and 4-lamp electronic, standard, energy saving and dimming AC ballasts, including those with end of lamp life detection. 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.
- A time delay circuit has been incorporated to provide a slight delay when switching back to AC operations. This prevents the AC ballast from shutting down due to a false end of lamp life detection.

**Suggested Specification**

Furnish and install LightGuard's fluorescent emergency ballast model L3000T5. 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 Hz, 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 less 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.

**TRANSFER** - The transfer shall consist of a time delay circuit to provide a slight delay when switching back to AC operations. This prevents the AC ballast from shutting down due to a false end of lamp life detection.

**BATTERY** - The battery shall be a maintenance-free, nickel cadmium battery. The nickel cadmium battery shall provide trouble-free operation in ambient temperatures up to 131°F (55°C). Nickel cadmium batteries shall be supplied with a five year full warranty.

**ENCLOSURE** - The housing shall be constructed of 24 gauge steel with a high temperature powder coat finish.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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