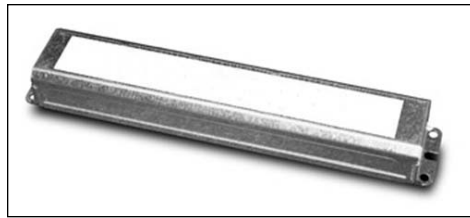




Type No. _____

Job Name _____

Catalog No. _____



Shown: L1400ST-N



L1400ST-N

- **Self-Diagnostic Fluorescent Emergency Ballast**
- **For One or Two Lamp Operation**
- **1400 Lumen Maximum Output**

Housing

- Constructed of steel with a high temperature powder coat paint finish
- Slim housing allows for wireway channel mounting on most recessed luminaires

Illumination

- The L1400ST-N provides 90 minutes of emergency illumination by utilizing existing fluorescent lighting and produces a total initial output of up to 1,400 lumens.
- The L1400ST-N can be used with most 17-215 W (2'-8') T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline and energy saving, and 4-pin compacts
- One or two lamp operation may be selected.

Electronics

- 120/277 VAC dual voltage input with surge protected, solid state charging circuitry provides for a reliable charging system
- Charging system complete with AC indicator lamp and test switch

Electrical Specifications

- Input power requirements: 4.0 W max

Lamp Operation¹

- Operates the following lamp types:²
Most 17-215 W (2'-8') T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline and energy saving, and 4-pin compacts.

NOTES:

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

Self Diagnostics

- The diagnostics circuit constantly monitors battery voltage and charging current, and will communicate a fault by flashing the status indicator lamp and providing an audible alarm. The audible alarm may be defeated at time of installation. An automatic discharge test is also performed for 30 seconds, every 30 days and for 90 minutes every 12 months. This automatic test satisfies the functional periodic test required by NFPA 101.

The L1400ST-N Fluorescent Emergency Ballast converts switched and unswitched fluorescent lighting into code required emergency lighting. The L1400ST-N may be installed in or near the fixture to provide unobtrusive life safety protection.

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)

Warranty

- Electronics: 5 years
- Battery: 5 years

Application

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

Code Compliance

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

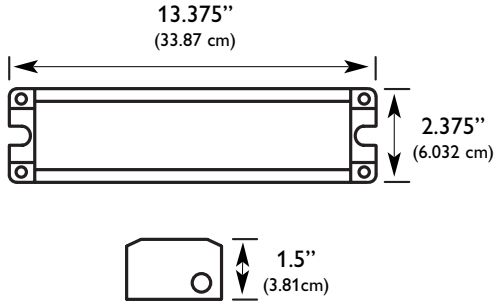
Lamp Operation - Table 1 (lumen output)

LAMP	1 LAMP	2 LAMPS
FO32, FBO31 T8	1350	1350
FO25, FBO24 T8	1250	1100
FO17, FBO16 T8	1050	950
FO96, T8	1400	
F40T12, F40/U	1100	1100
F48T12/HO	1200	
F96T12, HO, VHO	1100	
F40 T12 ES (34 W)	975	975
PL-L 50 W, F50BX/RS, DULUX L 55 W	900	
PL-L 40 W, F40/30BX, DULUX L 40 W	900	
PL-L 36 W, F39/36BX, DULUX L 36 W	1100	1100
PL-L 24 W, F27/24BX/RS, DULUX L 27 W		1000
F38 2D/4P	1000	1100
F28 2D/4P	1100	1100

Ordering Information

L1400ST-N
MODEL
L1400ST-N = 1400 Max. Lumen Output Fluorescent Emergency Ballast for One or Two Lamp Operation

Dimensions



Dimensions are approximate and subject to change.

Suggested Specification

Furnish and install LightGuard's fluorescent emergency ballast model L1400ST-N. The unit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC).

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 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. The self-testing, self-diagnostic circuit shall automatically perform not less than a 30 second test every 90 days and a full 90 minute test annually. Equipment faults shall be monitored and indicated via a visual and audible alarm.

BATTERY - The battery shall be a maintenance-free, 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 five year full warranty.

ENCLOSURE - The housing shall be constructed of steel with a high temperature powder coat paint finish. The slim housing shall allow for wireway channel mounting on most recessed luminaires.

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

L2185R1
1/12 IH