

Type No. _____
Job Name _____
Catalog No. _____



Shown: LF1000-4PST



LF1000-4PST

Fluorescent Power Packs 1000 Lumen Maximum Output for 4-Pin Fluorescent Lamps

The LF1000-4PST converts switched/unswitched fluorescent lighting into code required emergency lighting. The LF1000-4PST may be installed in or near the fixture to provide unobtrusive life safety protection.

Housing

- Constructed of 20 gauge steel with a high temperature powder coat paint finish
- Housing allows for housing frame mounting on most recessed luminaires

Electronics

- 120/277 VAC dual voltage input capability
- Constant current charger restores battery to full charge within UL 924 specifications
- Compatible with most standard energy-saving magnetic or electronic lamp ballasts
- Charging system complete with AC indicator lamp, test switch, and mounting plate hardware

Electrical Specifications

Input requirements: 3.5 watts

Battery

- Maintenance free, sealed nickel cadmium battery
- Battery has an estimated service life of 10 years, with an operating temperature range of 32°F (-5°C) to 131°F (55°C)

Application

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

Code Compliance

- UL 924 listed
- NFPA 70 and NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

Warranty

Electronics: 2 years

Battery: 2 years

Self Diagnostics

The diagnostics circuit constantly monitors battery voltage and charging current, and will communicate a fault by flashing the status indicator lamp. 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 period test required by NFPA 101.

Lamp Operation and Performance

- Operates the following lamp types: T4 Compact Fluorescent (o4 pin base).

LAMP TYPE	WATTAGE	BASE TYPE	NON-EMERGENCY MAX. LUMEN OUTPUT	EMERGENCY OP. MAX. LUMEN OUTPUT	EMERGENCY LAMP OPERATION
F13DBX/4P	13	G24Q-1	900	400	Two
F18DBX/4P	18	G24Q-2	1150	500	Two
F26DBX/4P	26	G24Q-3	1710	700	Two
F13TBX/4P	13	GX24Q-1	900	400	Two
F18TBX/4P	18	GX24Q-2	1200	500	Two
F26TBX/4P	26	GX24Q-3	1800	725	Two
F32TBX/4P	32	GX24Q-3	2200	750	One
F18BX	18	2G11	1250	450	Two
F27/24BX/RS	27	2G11	1800	600	One
F39/36BX/RS	39	2G11	2850	750	One
F40/30BX/RS	40	2G11	3150	750	One
F50BX/RS	50	2G11	4000	900	One
PL-T 42W/4P	42	GX24Q-4	3200	1000	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) Maximum emergency lumen output is supported for a full 90 minutes of operation.
- 4) Consult factory for compatibility, operation and performance of lamp types not listed.

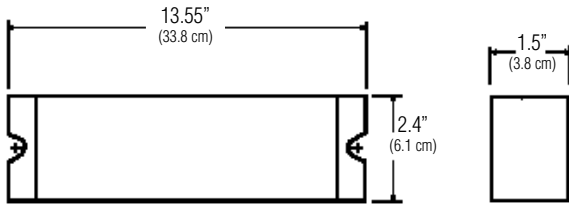
Ordering Information

LF1000-4PST		
MODEL	OPTIONS	ACCESSORIES (Ordered Separately)
LF1000-4PST= 1000 Max. Lumen Output Fluorescent Emergency Ballast for One or Two Lamp Operation	EX = Special Input Transformer (Specify voltage & frequency)	CCAPS = Wire Bundle Cover for External Mounting

Ordering Example

Model LF1000-4PST EX
Options _____

Dimensions



Dimensions are approximate and subject to change.

Suggested Specification

Furnish and install LightGuard's fluorescent power pack model _____. 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 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, 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 two year full warranty.

ENCLOSURE - The housing shall be constructed of 20 gauge steel. The slim housing shall allow for housing frame mounting on most recessed luminaires.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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