



FEATURES & SPECIFICATIONS

INTENDED USE

Patented labor saving design installs in 15 minutes or less, especially designed for field installation. Factory or field installed inside or outside (field only) fluorescent fixture to operate lamp(s) at reduced light output, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

CONSTRUCTION

Labor-saving design – 1/3 fewer wires and fewer connections than typical fluorescent power packs.

Engineering-grade charcoal gray plastic housing is impact-resistant, corrosion-resistant and scratch-resistant. UL94-0 flame rating.

U.S. Patent No. 6,522,147.

Patented integrated test switch pilot light that requires only one-hole drilling.

Operates one 2'- 4' or U-shaped fluorescent lamp for 90 minutes. (Compatible with most electronic T8 and magnetic T12, instant start, rapid start and slimline ballasts).

ELECTRICAL

Dual-voltage input capability (120V or 277V).

Additional input lead provided to allow switching of fixture.

Constant-current type charger.

High-efficiency push-pull inverter is the most effective method of converting DC power. It provides maximum light output, battery life and reliability.

Battery: Sealed, maintenance-free, high-temperature nickel cadmium battery. Ensures long life over a wide range of temperatures.

Automatic battery recharge after 90-minute discharge. Fully charged after 72 hours.

INSTALLATION

New Quick-Disconnect wiring harness provides easy replacement capabilities. Push-nuts and insulation-displacement connectors reduce installation time. Custom, one-piece test switch/pilot light allows for mounting flexibility.

Mounts concealed within fixture wireway for clean appearance and protection against vandalism.

Compact size (9.5" L x 2.5" W x 1.18" H) allows installation in a variety of fluorescent fixtures: troffers, industrials, commercials and strips.

Unit mounting centers are identical to a standard ballast.

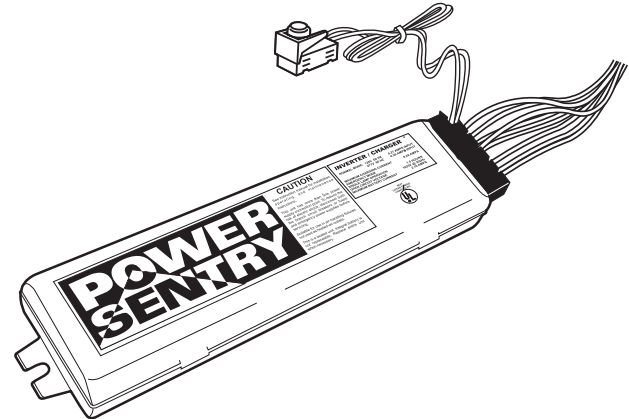
Unit wires two ways: on night light circuit (permanently energized) or on switchable circuit (unswitched circuit to the battery charger and switched circuit to the fixture ballast). Unit will strike *normally off* lamp.

Catalog Number	
Notes	Type



Fluorescent Battery Packs

PSQ500QD



LISTING

UL listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards.

Standard unit is UL approved for installation in sealed and gasketed fixtures.

For product UL approved for use in wet and damp location fixtures, see PSQ500DW specification sheet.

WARRANTY

Three-year warranty.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: PSQ500QD SD

PSQ500QD	
Designation	Options
PSQ500QD Battery pack	SD Self-diagnostics¹

Accessories²

Order as separate item.

ELA TSPLP	Remote or replacement test switch/pilot light; mounts up to 25' away from fixture
ELA TSPLPSD	Remote or replacement test switch/pilot light for self-diagnostics; mounts up to 25' away from fixture
ELA PSRME	Remote mounting enclosure
ELA PSMKSD	External mounting kit for self-diagnostics module
PSSD	Field-installable self-diagnostic module

NOTES:

- Self-diagnostics (PSSD) module ships separately. See PSSD Inverter Accessories spec sheet for details on self-diagnostics.
- See Accessories specification sheets for details on other compatible devices ELA-RTS-TSPLP-PSTS-PSPRSB and ELA-PSMK-PSMKSD-PSDMT-PSRME.

PSQ500QD Fluorescent Battery Packs

SPECIFICATIONS

BATTERY

Sealed Nickel-Cadmium

Voltage	Shelf life ¹	Expected life ¹	Maintenance	Optimum temperature ²
2.4	3 years	7-9 years	none ³	32-100°F

NOTES:

- 1 At 77°F.
- 2 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.
- 3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

ELECTRICAL

Volts	Maximum AC input	
	Amps	Watts
120	0.27	2.5
277	0.29	2.5

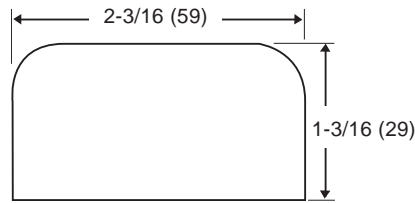
LAMP COMPATIBILITY

Lamp/Ballast Type	Wattage	Emergency Operation
24"- 48" T12 (magnetic)	34 – 40	■
U-Lamp T12 (magnetic)	34 – 40	■
U-Lamp T8 (electronic)	16 – 31	■
24"- 48" T8 (electronic)	17 – 32	■
48" T12 (magnetic)	32 – 40	■
Long Compact (4-pin)	18 – 40	■

One-lamp emergency operation. Tested and approved lamp/ballast combinations. Consult Lithonia Lighting representative for additional lamp/ballast combination compatibility not shown.

MOUNTING

All dimensions are inches (millimeters).

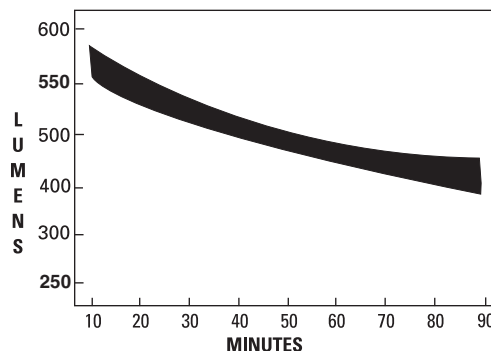


Cross section end view

Length: 9-1/2 (241)
Shipping weight: 1.4 lbs. (0.6 kgs.)

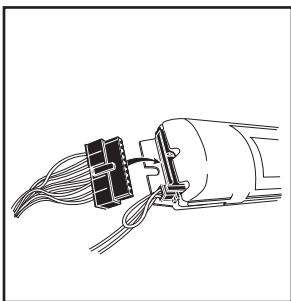
PERFORMANCE

Emergency Lamp Lumen Output

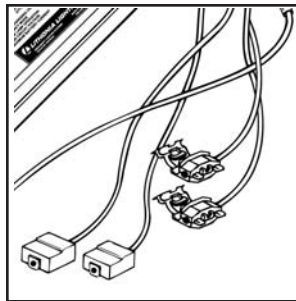


Light output data based on F32T8 lamps (2800 lamp lumen rating). Two-lamp electronic instant start ballast. Thermal and ballast factor corrections have been included. Light output for other lamp and ballast types will vary. Luminaire efficiency and application conditions must be determined to calculate actual illuminance levels. Consult Lithonia Lighting representative for further information.

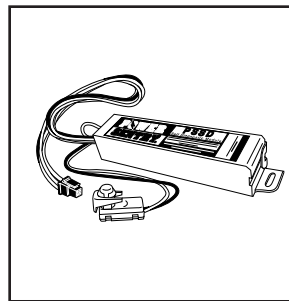
KEY FEATURES



New Quick-Disconnect wiring system



Pushnuts and insulation displacement connectors reduce installation time.



Self-diagnostics module.

