POWER SENTRY®

Catalog Number	
Notes	**Type**

FEATURES AND SPECIFICATIONS

INTENDED USE
For field or factory installation in T5, T5HO and T8 fixtures utilizing low-profile ballast and wireways. Suitable for indoor and damp locations and for sealed and gasketed fixtures, including fixtures rated for wet locations. Provides 90 minutes of emergency operation at a reduced light level.

CONSTRUCTION
Galvanized steel, low-profile housing works in conjunction with low-profile or standard size electronic ballasts to convert new or existing standard or high output T5 fluorescent fixtures into emergency lighting. Dual-voltage input capability (120V or 277V).

PERFORMANCE
Operates one 14-28W standard or 24-54W high output T5; one 32W(4'), 40W(5') and 44W HO(4') T8 fluorescent lamp; or one 36-55W (4-pin) long compact fluorescent lamp. Compatible with most one, two, three or four-lamp electronic, standard, energy-saving and dimming AC ballasts.

Battery pack wires two ways: on night light circuit (permanently energized) or on switchable circuit (unswitched circuit to battery charger and switched circuit to the fixture ballast). Battery pack will strike "normally off" lamp. Produces 425-825 lumens initial emergency light output.

BATTERY
Sealed, maintenance-free, high-temperature, nickel-cadmium battery. Ensures long life over wide temperature ranges. Automatic battery recharge after 90-minute discharge. 24-hour recharge time.

Pilot light and single-pole test switch provide visual and manual means of monitoring system operation.

ELECTRONIC
Constant current-type charger. High-efficiency, push-pull inverter is the most effective method of converting DC power to AC power. It provides maximum light output, battery life and reliability.

INSTALLATION
• Low-profile size (18.5"L x 1.18"W x 1.18"H) allows mounting in lighting fixtures with limited space inside fixture wireway for clear appearance and protection against vandalism. Mounting centers 17".
• Test switch and pilot light included.

Low-Profile Fluorescent Emergency Ballast
Damp Location Listed

PSL550
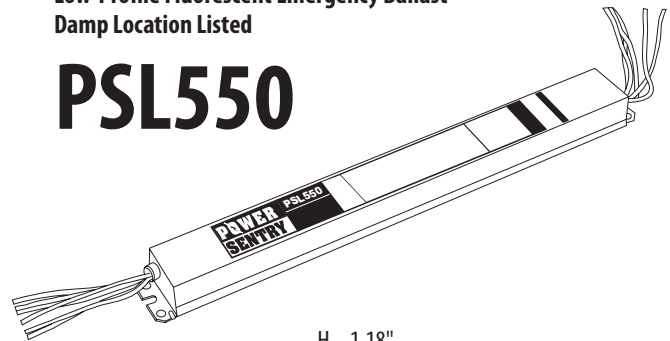
H - 1.18"
W - 1.18"
L - 18.5"

LISTING
• UL Listed. Suitable for factory or field installation in indoor dry and damp locations and sealed and gasketed fixtures including fixtures rated for wet locations.
• Temperature rating 32 °F (0°c) to 122°F (50°c).
• Meets UL 924, NFPA 101 (Current Life Safety Code), NEC and OSHA illumination standards

WARRANTY
Three-year warranty.

ORDERING LOGIC
Lead times will vary depending on options selected. Consult with your sales representative.

Example: PSL550

PSL550

Designation	Accessories*
PSL550 Low-profile emergency ballast standard and high-output T5 lamps and 4' T8 lamps	Order as separate item. ELA RTS3 Remote test switch pilot light

* See Inverter Accessories specification sheets for details on other compatible devices.

SPECIFICATIONS

BATTERY
Sealed Nickel-Cadmium

Voltage	Shelf life [1]	Expected life [1]	Maintenance	Optimum temperature[2]
3.6	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 Periodic system status test recommended.

ELECTRICAL

	Maximum AC input	
Volts	Amps	Watts
120	.18	2.5
277	.18	2.5

LAMP COMPATIBILITY

Lamp Type	Wattage
T5	14-28
T5 HO	24-54
T8	32(4')-40(5')
T8 HO	44(4')
Long compact (4-pin)	36-55

Partial listing of lamps operated.

MOUNTING
-All dimensions are inches (millimeters).

1.18" (30)

1.18" (30)
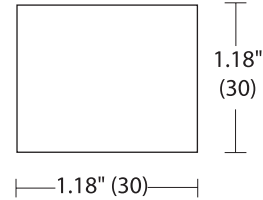
Cross section end view
Length: 18.5" (470)
Shipping weight: 2.3 lbs.

PSL550 INITIAL LUMEN OUTPUT TABLE*

Lamps Tested	Lumens
FP54, F54T5/HO	700
FP39, F39T5/HO	620
FP24, F24T5/HO	390
FP28, F28T5	700
FP21, F21T5	620
FP14, F14T5	430
F32 T8(4')	635
F40 T8(4')	570
PL-L 50W	510
PL-L 40W	625
PL-L 36W	610

AcuityBrands.
Expanding the boundaries of lighting™

Sheet#: PSL550