

FEATURES

PERFORMANCE

Low-glare, shadow-free illumination allows safe evacuation and adds security to critical areas for 90 minutes.

Protects against partial or isolated power outages.

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

BATTERY

Sealed, maintenance-free, high-temperature nickel-cadmium battery ensures long life over wide temperature ranges. Automatic battery re-charge after a 90-minute discharge.

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

ELECTRONICS

Constant-current series resistor-type charger.

Capacitive input circuit provides high-efficiency and reliable operation.

High-efficiency push-pull inverter provides most effective method of DC to AC conversion for maximum light output, battery life and reliability.

SELF-DIAGNOSTICS (SD option)

Single bi-colored LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand usual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of AC to DC transfer, charging and battery condition.

Continuously monitors AC functionality.

INSTALLATION

Battery pack is completely concealed in the luminaire channel for clean appearance and vandal protection.¹

Unit can be remote-mounted up to half the distance recommended by the ballast manufacturer or 50 feet, whichever is less. (The **ELA PRSME** remote mounting enclosure is recommended.)

Optimizes the ease and time required for job-site installation.

NOTES:

- 1 With some 2 x 2 luminaires, the EL option may increase the luminaire depth. When remote mounting Power Sentry battery packs, the **ELA PRSME** remote mounting enclosure is recommended.
- 2 Five-year total customer satisfaction warranty for PS1400 only.
- 3 Luminaires ordered with the **DW option** (Example: EL14DW) will bear the UL Emergency Lighting Equipment label for damp or wet locations depending on the fixture.

ORDERING INFORMATION

Order factory-installed emergency lighting battery packs by adding an EL option to your lighting fixture catalog number. Do not list your factory-installed emergency option as a separate order item. For luminaire labeled for emergency use (normally *off*), specify L/B (less ballast) plus choice of inverter options. Consult Emergency Systems section of Product Selection Guide for additional information.

Examples: **2GT8 4 32 A12 120 EL5**
DMW 2 96 277 CW EL14DW

Options	
<p>EL^{1,3} Fixture equipped for 1-lamp emergency operation of 2'-4' lamps, nom. 300 lumens (PS300 installed) or 6'-8' lamps, nom. 600 lumens (PS600 installed). See lamp compatibility chart on back for further details.</p> <p>EL5^{1,3} Fixture equipped for 1-lamp emergency operation of 4' lamps, nom. 500 lumens (PSQ500 installed).</p> <p>EL5SD^{1,3,4} Fixture equipped for 1-lamp emergency operation of 4' lamps, nom. 500 lumens (PSQ500 installed). Includes self-diagnostic capabilities.</p> <p>EL6^{1,2,3} Fixture equipped for 1-lamp or 2-lamp emergency operation of 2'-4' lamps, nom. 600 lumens (PS600 installed).</p> <p>EL6SD^{1,2,3,4} Fixture equipped for 1-lamp or 2-lamp emergency operation of 2'-4' lamps, nom. 600 lumens (PS600 installed). Includes self-diagnostic capabilities.</p> <p>EL6C 2-hour emergency operation. Fixture equipped for 1-lamp emergency operation of 4' lamps, nom. 600 lumens (PS600C installed).</p> <p>EL14^{1,2,3} Fixture equipped for 1-lamp or 2-lamp emergency operation of 2'-4' lamps and 1-lamp operation of 6'-8' lamps, nom. 1400 lumens (PS1400 installed).</p>	<p>EL14SD^{1,2,3,4} Fixture equipped for 1-lamp or 2-lamp emergency operation of 2'-4' lamps and 1-lamp operation of 6'-8' lamps, nom. 1400 lumens (PS1400 installed). Includes self-diagnostic capabilities.</p> <p>EL48² Full light output fluorescent emergency ballast operates one or two 2'-4' T8-T12 lamps; one or two 4-pin twin-tube, triple-tube or quad-tube (9-40W) lamps; one 5'-8' T8-T12 lamp; one 2'-8' T12 HO or VHO lamp; one 2-pin twin-tube or quad-tube (9-26W) lamp; one circline T9 lamp and one 4-pin (50W) long compact fluorescent lamp (for 90 minutes). Must be used in conjunction with a 48VDC central battery supply.</p> <p>ELSC4 Fixture equipped for 1-lamp emergency operation of 2'-4' lamps, nom. 350-450 lumens (PSL400 installed). Intended use: low-profile fluorescent fixtures.</p> <p>EL55 Fixture equipped for 1-lamp emergency operation of 2'-5' lamps, nom. 390-700 lumens (PSL installed). Intended use: MS5 and MS5SS fluorescent fixtures.</p> <p>EL65 Fixture equipped for 1-lamp emergency operation of 2'-5' lamps, nom. 600-1325 lumens (PSL600 installed). Intended use: MS5 and MS5SS fluorescent fixtures.</p>

NOTES:

- 1 EL, EL5, EL6 and EL14 battery packs are UL approved for installation into sealed and gasketed fixtures.
- 2 For fixtures with two or more lamps, fixture will be wired standard for 2-lamp operation. To specify 1-lamp operation, use either the EL61LP, EL141LP or EL481LP suffix designation.
- 3 Luminaires ordered with the **DW option** (Example: EL14DW) will bear the UL Emergency Lighting Equipment label for damp or wet locations, depending on the fixture. All DW fixtures are also available with SD (with the exception of EL). Ex: EL14SDDW
- 4 Self-diagnostics (PSSD module) ships with fluorescent battery pack.

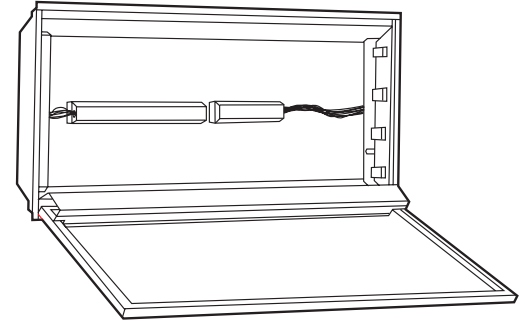
Catalog Number	
Notes	Type

Fluorescent Emergency Lighting Systems

EL

FACTORY-INSTALLED BATTERY PACKS

Available on most fluorescent fixtures



LISTING

UL listed.

Provides the most effective solution for the minimum path of egress lighting requirements, as specified in the Life Safety Code.

Standard EL options are UL approved for use in sealed fixtures. ELDW, EL5DW, EL6DW and EL14DW are UL approved for installation in wet and damp location listed fixtures.³

WARRANTY

Three-year total customer satisfaction warranty.² Luminaire and ballast are covered by separate warranties. Consult the Fluorescent Product Group for details.

EL Factory-Installed Battery Packs

SPECIFICATIONS

LAMP COMPATIBILITY CHART

Power Sentry			One-Lamp Operation					Two-Lamp Operation			
		EL Nomen.	EL	EL5	EL61LP	EL6C	EL141LP	EL481LP	EL6	EL14	EL48
		Lumens		500-600	600-700	600-700	1100-1430	⁵	600	1400	⁵
Lamp Type	Nomenclature	Wattage									
U-lamp T8	U16, U31, U316	16-32	■ ²	■	■	■ ⁴	■	■	■	■	■
24" - 48" T8	17, 25, 32	17-32	■ ²	■	■		■	■	■	■	■
60" - 96" T8	60T8, 96T8	40-59	■ ³				■	■			
Circline T9	20, 32, 40 ¹	20-40	■ ²	■	■		■	■			
U-Lamp T12	U40, U403	34-40	■ ²	■	■		■	■	■	■	■
24" - 48" T12	20, 24, 30, 36, 40	20-40	■ ²	■	■	■ ⁴	■	■	■	■	■
48" - 96" T12	48, 72, 96	30-75	■ ³				■	■			
24" - 96" HO T12	24HO, 36HO, 48HO, 72HO, 96HO	35-110	■ ³				■	■			
48" - 96" VHO T12	48PG, 96PG	110-215	■ ³				■	■			
Biax Twin-Tube (4-pin)	CF40	18-40	■ ²	■	■		■	■			
Biax Twin-Tube (4-pin)	CF50	50	■ ³	■			■	■			
Quad-Tube (4-pin)	13-26 TRT	13-26					■			■	
Triple-Tube (4-pin)	18-32 TRT	18-32					■			■	
Triple-Tube (4-pin)	42 TRT	42					■				
24"- 48" HOT5	T5HO	24-54					■				

- Lamp nomenclature does not exist for products utilizing the circline T9 lamp; 22, 32 and 40 refer to wattage.
- PS300 factory-installed standard (350-450 lumen output).
- PS600 factory-installed standard (600-700 lumen output).
- 2-hour emergency operation.
- Full light output.

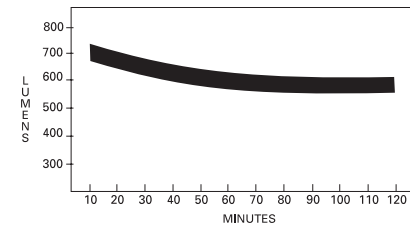
BATTERY

Sealed Nickel-Cadmium

	Voltage	Shelf life ¹	Expected life ¹	Maintenance	Optimum temperature ²
EL (PS300)	3.6	3 years	7-9 years	none ³	32-100°F
EL5 (PS500)	10.8	"	7-9 years	"	"
EL6C (PS600C)	3.6	"	7-9 years	"	"
EL6 (PS600)	10.8	"	7-9 years	"	"
EL14 (PS1400)	6	"	10 years	"	"

- At 77°F.
- 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.
- Periodic system status test recommended.

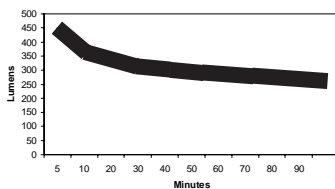
EL6C Lumen Curve
PS600C with F40T12 and F032T8



PERFORMANCE

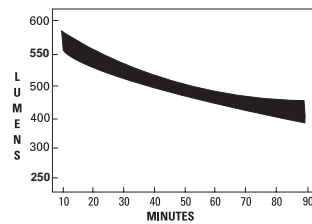
EL Lumen Curve

PS300 with F40T12 and F032T8



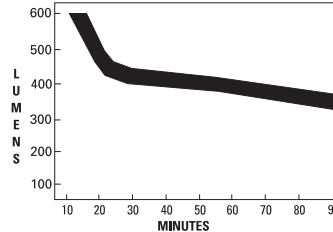
EL5 Lumen Curve

PSQ500 with F40T12 and F032T8



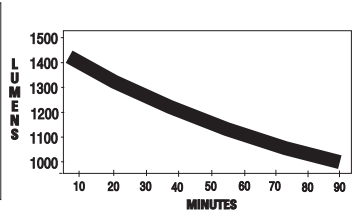
EL6 Lumen Curve

PS600 with F40T12 and F032T8



EL14 Lumen Curve

PS1400 with F032T8



Light output data based on one lamp. Two-lamp operation evenly divides output between the lamps. Light output of other lamp types will vary. Luminaire efficiency and application conditions must be determined to calculate actual illuminance levels. Consult a Lithonia Lighting representative for further information.



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