



Catalog Number	
Notes	Type

FEATURES AND SPECIFICATIONS

INTENDED USE

Factory- or field-install inside or outside (field only) fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum, glare-free illumination for 90 minutes upon interruption of normal power.

CONSTRUCTION

- Black, 20-gauge steel, permanently sealed housing.
- Polarized quick-connect light/switch assembly simplifies installation
- Patent-pending integrated test switch/pilot light that requires only one-hole drilling (PSDL3). U.S. Patent No. (PSDL3) 6,522,147.

PERFORMANCE

- Operates one or two four-pin twin-tube (9–13W), triple-tube (18–42W*), quad-tube (13–26W) or 2D compact fluorescent lamp(s). 42W triple-tube is one lamp only.
- Low-glare, shadow-free illumination provides excellent visibility for safe building evacuation.

BATTERY

- Sealed, maintenance-free, high-temperature nickel-cadmium battery.
- Ensures long life over a wide range of temperatures.
- Polarized battery connector simplifies maintenance and prevents charger damage due to improper connection.
- Pilot light and test switch provide visual and manual means of monitoring system operation.
- Automatic battery recharge after 90-minute discharge.

ELECTRONIC

- Dual-voltage input capability (120V or 277V).
- Constant-current series resistor-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

- Unit can be remote mounted up to half the distance recommended by the ballast manufacturer or 50 feet, whichever is less.
- Optional external mounting tray provides quick and flexible mounting means for most applications.
- Unit wired into building circuit in 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 o lamp.

LISTING

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

WARRANTY

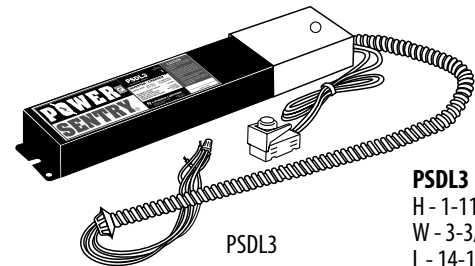
5-year limited warranty. (Battery is prorated.) Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Compact Fluorescent Battery Backup

PSDL



PSDL3
H - 1-11/16"
W - 3-3/16"
L - 14-1/2"

ORDERING LOGIC

Designation

PSDL3 Four-pin (9-42W) battery pack

Options

- DL** UL listed for damp location
0° – 50° C (32° – 122° F)
- SD** Self-diagnostics

Accessories ¹

- Order as separate item.
- ELA PSDMT External mounting tray
- 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
- PSSD2 Field-installable self-diagnostics module
- ELA PSMKSD Self-diagnostics mounting kit (must be ordered separately to install the PSSD2 on a PSDL3 product)

NOTES:

Factory installation is available on most compatible fluorescent fixtures. Consult EL downlighting spec sheet for details.

1 - Remotes can be mounted up to 25' away from fixture.



PSDL Compact Fluorescent Battery Backup

SPECIFICATIONS

BATTERY					
Sealed Nickel-Cadmium					
	Voltage	Shelf life ¹	Expected life ¹	Maintenance	Optimum temperature ²
PSDL3	6V	3 years	10 years	none ³	32-100°F (0-38°C)

Notes

- At 77°F (25°C).
- 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..

ELECTRICAL

	Volts	Maximum Amps	AC input Watts
PSDL3	120	.27	3.3
	277	.25	3.2

LAMP COMPATIBILITY & EMERGENCY OUTPUT

Catalog Number	Lamp Description	Lamp Base	Philips	Osram/Sylvania	GE	Lamp Manufac. Initial Lumen Rating	Initial Lumens	
							Lamp 1	Lamp 2 ¹
PSDL3 ²	Compact Twin-Tube (4-pin)	2G7	*	"Dulux S/E" CF9DS/E 9W	*	580	NA	NA
		2GX7	*	"Dulux S/E" CF13DS/E 13W	*	800	NA	NA
	Super Compact	GX24q-1	"PL Cluster" PL-C 13W/4P 13W	"Dulux D/E" CF13DD/E/8 13W	"Double Biax" F13DBX/4P	900	580	635
	Quad Tube (4-pin)	GX24q-2	"PL Cluster" PL-C 26W/4P 18W	"Dulux D/E" CF18DD/E/8 18W	"Double Biax" F18DBX/4P	OS & PL-1250 GE-1150	675	750
		GX24q-3	"PL Cluster" PL-C 26W/4P 18W	"Dulux D/E" CF26DD/E/8 26W	"Double Biax" F26DBX/4P	OS & PL-1800 GE-1710	790	900
	Super Compact	GX24q-2	"PL Triple" PL-T 18W/4P 18W	"Dulux T/E" CF18DT/E/IN/8 18W	"Triple Biax" F18TBX/SPX	1200	595	615
	Triple-Tube (4-pin)	GX24q-3	"PL Triple" PL-T 26W/4P 26W	"Dulux T/E" CF26DT/E/IN/8 26W	"Triple Biax" F26TBX/SPX	1800	412	749
		GX24q-3	"PL Triple" PL-T 32W/4P 32W	"Dulux T/E" CF32DT/E/IN/8 32W	"Triple Biax" F32TBX/SPX	OS & PL-2400 GE-2200	657	1038
		GX24q-3	"PL Triple" PL-T 42W/4P 42W	"Dulux T/E" CF42DT/E/IN/8 42W	*	3200	948	NA

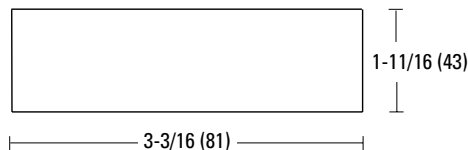
NOTES:

- NA = Not available.
- When using the PSDL3 with 26-42W triple-tube lamps, the Triad/Universal ballast C242 UNV BE is recommended. Inconsistent operation and performance may be experienced with the Advance ballast ICF-2542-M2-LD and is therefore not recommended for use with PSDL3 product.

MOUNTING

-All dimensions are inches (millimeters).

PSDL3



Cross section end view

Length: 17-1/8 (435)
Shipping weight: 5.0 lbs. (2.3 kgs.)