LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

POWER SENTRY® **QD QUICK DISCONNECT**

600 Lumen Reduced-Profile
Fluorescent Battery Pack

PS600QD

INTENDED USE

Specification grade fluorescent battery pack operates one or two lamps (4' or shorter) or one 8' lamp. Factory or field installed within fluorescent fixture ballast channel. Upon interruption of normal power, battery pack automatically strikes and operates at reduced light output, providing optimum glare-free illumination for 90 minutes.

CONSTRUCTION

Durable thermoplastic/metal housing resists impact, scratches and corrosion. UL94V-0 flame rating.

Reduced-profile footprint fits in the tightest applications.

Polarized quick-connect pilot light/test switch assembly simplifies installation.

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

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

Operates one or two 2' – 4' fluorescent T8 – T12 lamps, one 2' – 4' fluorescent T5, T8, or T12, HO, long compact (biax) lamp or one 6' – 8' fluorescent T8 – T12 lamp for 90 minutes. Compatible with T8 and T5 electronic, T12 magnetic, instant start, rapid start, and slimline ballasts.

ELECTRICAL

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

Constant current-type charger. Capacitive input circuit provides high efficiency and reliable operation.

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.

Battery: Sealed, maintenance-free, high-temperature nickel-cadmium battery ensures long life over wide temperature ranges.

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

INSTALLATION

Patent-pending QUICK DISCONNECT connector system allows for quick and easy replacements at end of life without rewiring (not available with DW option).

Mounts concealed within fixture wireway for clean appearance and protection against vandalism. Two ½" holes in fixture channel permit mounting of test switch/pilot light behind fixture lens.

Compact size (9.4" L x 2.19" W x 1.18" H) fits in a variety of fluorescent fixtures: troffers, volumetric recessed, industrials, commercials and strips.

Unit 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). Unit will strike normally off lamp.
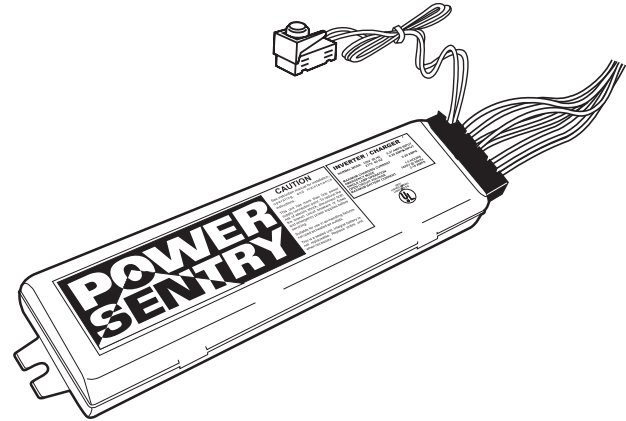
Unit mounting centers are identical to a standard ballast.

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 PS600DW specification sheet.

WARRANTY

Five-year warranty.

ORDERING INFORMATION

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

Example: PS600QD SD

PS600QD

Designation		Options
PS600QD	**Reduced-profile battery pack with Quick Disconnect**	**SD** **Self-diagnostics**[1]

Accessories[2]

Order as separate items.

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:

1 Self-diagnostics (PSSD) module ships separately. See PSSD Inverter Accessory spec sheet for details on self-diagnostics module.

2 See Accessories specification sheets for details on other compatible devices ELA-RTS-TSPLP-PSTS-PSPRSB and ELA-PSMK-PSMKSD-PSDMT-PSRME.

SPECIFICATIONS
BATTERY

Sealed Nickel-Cadmium

Voltage	Shelf life[1]	Expected life[1]	Maintenance	Optimum temperature[2]
4.8	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	Maximum AC input Watts
120/277	.29	3.0

LAMP COMPATIBILITY

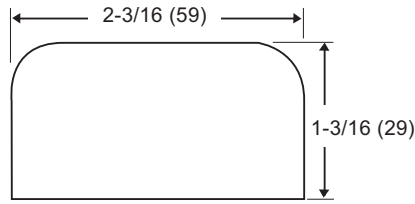| Lamp Type	Wattage	Emergency Operation	Nominal Initial Lumen Output[1]
24-48" T5	14-28	■	540
24-48" T5HO	24-54	■	629
U-Lamp T8	16-31	■ ●	TBD
24"-48" T8	17-32	■ ●	632
60"-96" T8	40-59	■	TBD
24"-48" T12	20-40	■ ●	645
24"-48" T12HO	35-60	■	401
Long Compact (4-pin)	18-50	■	687

■ One-lamp emergency operation for 1 – 4 lamp ballasts.

● Two-lamp emergency operation for 2 – 4 lamp ballasts.
Tested and approved lamp/ballast combinations. Consult Lithonia Lighting representative for additional lamp/ballast combination compatibility not shown.

Notes:

1   Initial lumen output is impacted by multiple variables including fixture type, lamp type, and ambient temperature.

MOUNTING
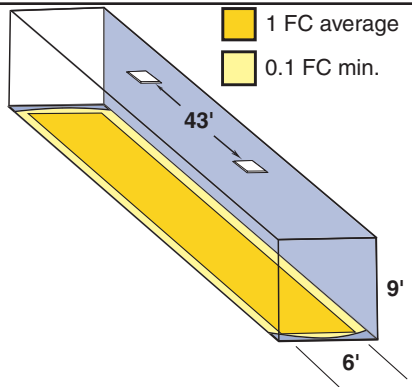All dimensions are inches (millimeters).

Cross section end view
Length: 9.40 inches
Shipping weight: 1.5 lbs (0.68 kg).

RECOMMENDED SPACING
One Footcandle Average Spacing Guidelines PS600QD

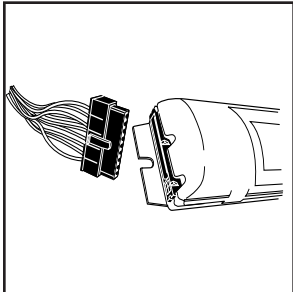|	2GT8 3 32	2SP8 3 32	2PM3N 3 32	2AV 3 32	2PMO 3 32
Open Office 2x4	32	35	34	26	35
Corridor 2x4	40	43	53	34	40
Open Office 2x2	32	33	29	29	28
Corridor 2x2	39	40	35	29	28

Corridor Spacing

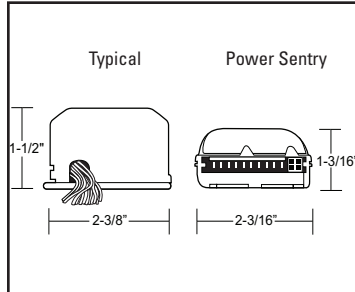1 FC average
0.1 FC min.

43'
9'
6'

Fluorescent Battery Pack: PS600QD
Fluorescent Fixture: Lensed Troffer
Lamp Type: F32T8

Meets Life Safety Code standard minimum illuminance of 0.1FC and average illuminance of 1.0FC. Assumes 3 T8 lamps in each fixture, 8'Wx100'L corridor, 6-foot wide path of egress, ceiling height 9' and reflectances of 80/50/20.
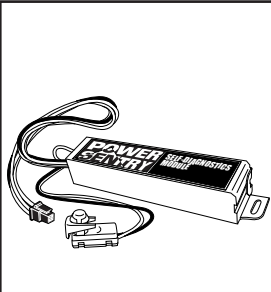
KEY FEATURES

New Quick-Disconnect wiring system

Typical   Power Sentry

1-1/2"   1-3/16"
2-3/8"   2-3/16"

New reduced-profile design fits in the tightest of applications.

KEY OPTIONS

Self-diagnostics module.

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