

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**ATTRIBUTES** — Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

**CONSTRUCTION** — Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

**FINISH** — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

**ELECTRICAL SYSTEM** — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

**MVOLT ballasts are NEMA Premium®/CEE qualified ballasts. Full light output - reduced energy. Less than 10% THD. Multi-volt operation, 120-277V.**

**LISTING** — Standard: UL.

**WARRANTY** — Fixtures, including ballasts, are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

US patents: 6,210,025; 6,231,213; 2,288,471.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Contractor Select

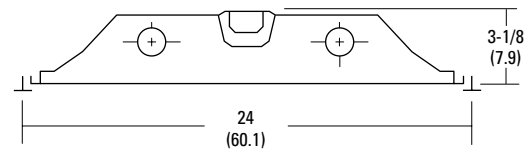
# Troffers



GT



2GT



### GT Specifications

Length: 48 (121.9)

Width: 24 (60.1)

Depth: 3-1/8 (7.9)

### 2GT Specifications

Length: 24 (60.1)

Width: 24 (60.1)

Depth: 3-1/8 (7.9)

All dimensions are inches (centimeters).

## ORDERING INFORMATION

Catalog Number	UPC	Description	# of Lamps	Wattage	Voltage	Ballast Type	Pre-Wired	# of Ballasts	Lamp Type	Lamp Included	Pallet Qty.
GT2 MV	745975081714	2x4 troffer	2	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT3 2MV	745975083510	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	2	N/A	N	28
GT3 MV	745975081721	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT3L MV	745975081684	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	735	Y	28
GT3L41 MV	745975083541	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	741	Y	28
GT3LW MV	745975081882	2x4 troffer	3	32	120-277	NEMA Premium, instant start	Y	1	735	Y	28
GT4 2MV	745975081998	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	2	N/A	N	28
GT4 MV	745975081776	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT4L MV	745975081912	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	735	Y	28
GT4L41 MV	745975083565	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	741	Y	28
GT4L41W MV	745975083534	2x4 troffer	4	32	120-277	NEMA Premium, instant start	Y	1	741	Y	28
GT4LW MV	745975081707	2x4 troffer	4	32	120-277	NEMA Premium, instant start	Y	1	735	Y	28
GT2U MV	745975081967	2x2 troffer	2	32-U lamp	120-277	NEMA Premium, instant start	N	1	N/A	N	56

# ACCUPRO®

## FEATURES

### INTENDED USE

Specification-grade emergency ballast 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 lamps at reduced light output, providing glare-free illumination for 90 minutes.

### CONSTRUCTION

Durable thermoplastic/metal housing resists impact, scratches, and corrosion.

UL-94V-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; 5,814,971; 6,577,136; D550,154

### PERFORMANCE

Lamp selector switch optimizes single or dual lamp performance.

Operates one or two 2' – 4' fluorescent T8 – T12 lamps, one 2' – 4' fluorescent T5, T8, or T12, HQ, long compact (biax) or one 6' – 8' fluorescent T8 – T12 for 90 minutes. Compatible with T8 and T5 electronic, T12 magnetic, instant start, rapid start, and slimline ballasts. New AC ballasts with EOL (end of life) protection may require EOL accessory (ELA PSRSB) to ensure normal AC mode operation.

### 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 a wide range of temperatures.

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

### INSTALLATION

Patented Quick-Disconnect connector system allows for quick and easy replacements at end of life without rewiring.

Mounts concealed within fixture wireway for clean appearance and protection against vandalism; or mounts on outside of fixture housing if internal space is limited. Two 1/2" holes in fixture channel permit mounting of test switch/pilot light behind fixture lens.

Catalog Number

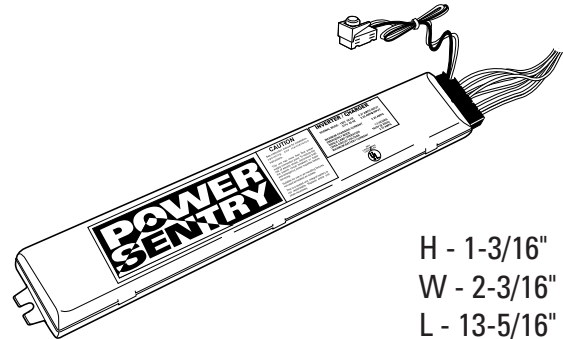
Notes

Type



1400 Lumen Reduced-Profile  
Emergency Ballast

# PS1400QD



H - 1-3/16"  
W - 2-3/16"  
L - 13-5/16"

External mounting requires a remote mounting enclosure (ELA PSRME). Compact size (13-5/16" L x 2-3/16" W x 1-3/16" 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.

See PS1400DW specification sheet for product UL approved for use in wet and damp location fixtures.

### WARRANTY

Five-year warranty.

## ORDERING INFORMATION

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

**Example: PS1400QD SD**

### PS1400QD

Series	Options
<b>PS1400QD</b> Emergency Ballast	<b>SD</b> Self-diagnostics <sup>①②③</sup>

### NOTES:

- ① Self-diagnostics (PSSD) module ships separately. See PSSD Inverter Accessories spec sheet for details on self-diagnostics.
- ② Compatible with lamp EOL protection ballasts.
- ③ ELA PSRSB not required with SD option.
- ④ See Inverter Accessories specification sheets for details on other compatible devices ELA-RTS-TSPLP-PSTS-PSRSB and ELA-PSMK-PSMKSD-PSDMT-PSRME

### Accessories<sup>④</sup>

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 PSMKSD	External mounting kit for self-diagnostics module
ELA PSRME	External mounting box enclosure PS300QD, PSQ500QD, PS600QD and PS1400QD
ELA PSRSB	Field-installable interface for enhanced compatibility with lamp EOL protection ballasts <sup>④</sup>
PSSD	Field-installable self-diagnostics module

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

# PS1400QD Emergency Ballast

## SPECIFICATIONS

### BATTERY

#### Sealed Nickel-Cadmium

Voltage	Shelf Life	Expected Life <sup>①</sup>	Maintenance	Optimum Temp <sup>②</sup>
9.4	3 years	10 years	none <sup>③</sup>	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	.27	3.3
277	.29	3.2

### LAMP COMPATIBILITY

Type	Descriptions	Length	Wattage
Linear	T5/T5HO	24"-48"	14-54
	T8/T12	24"-48"	16-40
	T8/T12	60"-96"	40-75
	T12 HO/VHO	24"-96"	35/215
CFL (4-pin)	Twin-Tube	N/A	9-55
	Quad-Tube	N/A	13-26
	Triple-Tube	N/A	18-32
	Triple-Tube	N/A	42
Other	T9	Circuline	20-40
	2D	2D	28-38

### INITIAL LUMEN OUTPUT TABLE

Type	Description	1 Lamp (lm)	2 Lamps (lm)
T5/T5HO	FP14/T5	800	NC
	FP24T5/HO	700	NC
	FP28T5	1450	NC
	FP54T5/HO (49W)	1100	NC
	FP54T5/HO (54W)	900	NC
T8	F17T8	850	950
	F32T8	1450	1450
	FB31T8	1400	1400
CFL	CF40	950	NC
	FT40DL28W	1050	NC

NC = Not compatible

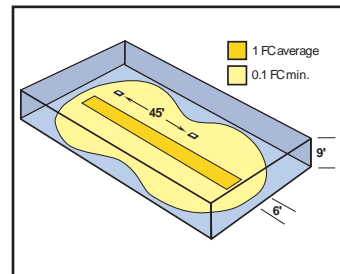
Initial lumen output measured at 25°C ambient temperature.

## \*RECOMMENDED SPACING

### One Footcandle Average Fixture-to-Fixture Spacing Guidelines PS1400QD

	Application	T8 Lensed Troffer	T8 Parabolic	T8 Direct/ Indirect
2x4	Open Office	47'	45'	47'
	Corrdior	57'	53'	59'
2x2	Open Office	47'	38'	47'
	Corrdior	54'	49'	53'

## OPEN OFFICE SPACING



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

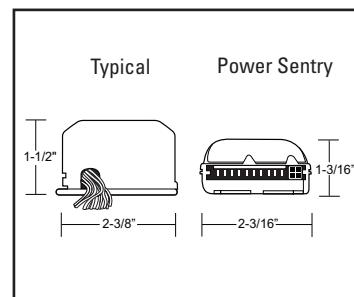
Fluorescent Emergency Ballast: PS1400QD

Fluorescent Fixture: 2x4 Parabolic

Lamp Type: F32T8

## MOUNTING

All dimensions are inches (millimeters).



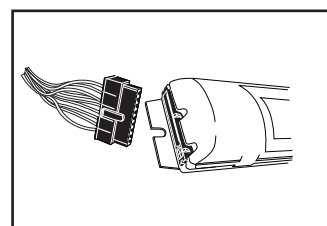
### Cross section end view

Length: 13-5/16 inches

Shipping weight: 2.0 lbs (0.68 kg).

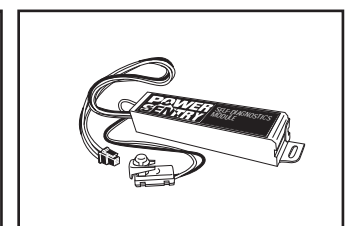
New reduced-profile design fits in the tightest of applications

## KEY FEATURES



New Quick-Disconnect wiring system

## KEY OPTIONS



Self-diagnostics module

# ACCUPRO®

Sheet #: PS1400QD 6/29/2011

**Power Sentry**

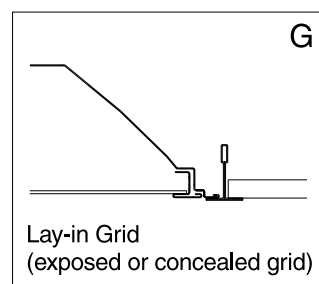
One Lithonia Way, Conyers, GA 30012

Phone: 888-300-7017

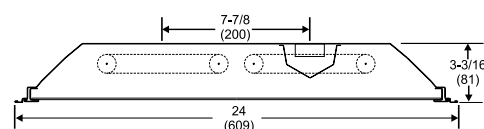
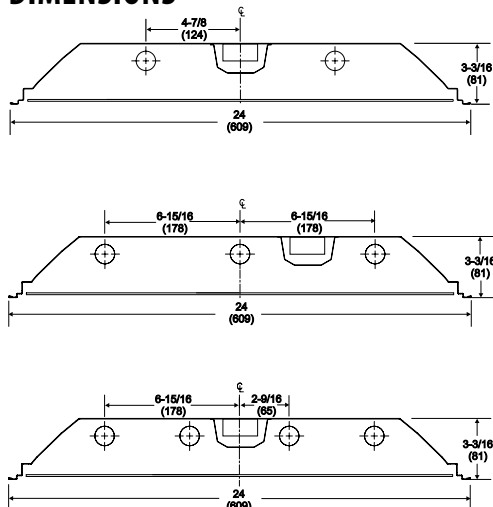
www.powersentrysafety.com

# Troffers

## MOUNTING DATA



## DIMENSIONS



## PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

### GT2U MV

#### Report LTL 7534

Lumens per lamp - 2600 – Lum. eff. - 72.9%

S/MH (along) 1.2 (across) 1.4

#### Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	87	87	87	85	85	85	81	81	81
1	80	77	74	78	75	72	72	70	68
2	73	68	63	71	66	62	64	60	57
3	67	60	54	65	59	54	57	52	49
4	62	54	48	60	53	47	51	46	42
5	57	48	42	56	47	42	46	41	37
6	53	44	37	52	43	37	42	36	32
7	49	40	34	48	39	33	38	33	29
8	46	36	30	45	36	30	35	30	26
9	43	33	28	42	33	27	32	27	23
10	40	31	25	39	30	25	30	25	21

#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1191	22.9	31.4
0-40	1950	37.5	51.4
0-60	3220	61.9	84.9
0-90	3793	72.9	100.0
90-180	0	0	0
0-180	3793	72.9	100.0

### GT3 MV

#### Report LTL 7421

Lumens per lamp - 2850 – Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

#### Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

### GT4 MV

#### Report LTL 7425

Lumens per lamp - 2850 – Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

#### Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0