

QUICKTRONIC® PROStart® PSN T8 UNIVERSAL VOLTAGE

Professional Series

Normal Ballast Factor

Lamp/Ballast Guide

Primary Systems 32W T8

- 1-lamp QTP1x32T8/UNV PSN-TC
- 2-lamp QTP2x32T8/UNV PSN-TC
- 3-lamp QTP3x32T8/UNV PSN-SC
- 4-lamp QTP4x32T8/UNV PSN-SC

Also operates:

- FBO32, FBO31, FO25, FBO24,
- FO17, FBO16, FO30/SS,
- FBO30/SS (30W), FBO29/SS,
- FO28/SS (28W) & FO25/SS (25W)

Key System Features

- PROStart® Programmed Rapid Start
- Occupancy sensor applications
- OCTRON® XP™ and SUPERSAVER® XP Lamps: 30,000 hours (3 hrs/start)
FO32/XP 32W lamps (3000 lm)
FO30/SS 30W lamps (2850 lm)
FO28/SS 28W lamps (2725 lm)
FO25/SS 25W lamps (2475 lm)
- Universal Input Voltage
- <10% THD
- 0°F (-18°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER lamps
- Low profile enclosures
 1.00" high "Thin Can"
 1.18" high "Small Can"
- Extended lamp life
- Operates at >40Khz to avoid interference with infrared control systems

Application Information

SYLVANIA QUICKTRONIC PROStart T8

is ideally suited for:

- Any applications where extended lamp life is required to reduce maintenance costs
- Energy Retrofits
- Occupancy Sensors
- Building Control Systems

SYLVANIA QUICKTRONIC

PROStart programmed rapid start electronic ballasts operate linear and U-bend equivalent T8 lamps in applications where extended lamp life is required.

QUICKTRONIC PROStart ballasts utilize a micro-controller based circuit to apply a precise amount of cathode heat prior to starting the lamp. This ensures that the cathodes have reached optimum temperature before the lamp is started. Once the lamp is ignited, the ballast reduces the amount of cathode heat to the optimum level, to assure long lamp life. This coil heat reduction also has the added advantage of energy savings over typical electronic rapid start ballasts.

All SYLVANIA Professional Series (QTP) of electronic ballasts feature high power quality (<10% THD), lightweight, low profile designs.

System Information

QUICKTRONIC PROStart ballasts provide optimum starting conditions to provide over 50,000 switching cycles for occupancy sensor and building control system applications.

QUICKTRONIC PSN UNV operates from 120V through 277V, eliminating "wrong voltage" wiring errors and reducing the number of models in inventory by half.

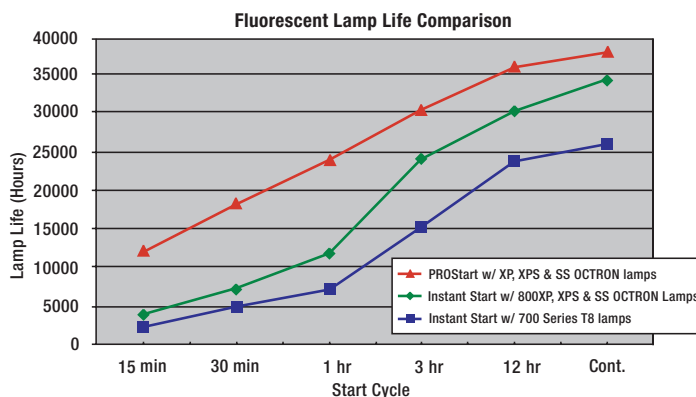
In addition to substantial energy savings, QUICKTRONIC PSN ballasts deliver an optimized programmed start which extends OCTRON XP, XPS, FO30/SS, FO28/SS and FO25/SS lamps to 30,000 hrs (3 hours/start). This advanced starting process drastically reduces the amount of cathode sputtering, resulting in improved lamp life in all applications including short start cycles.

QUICK 60+® warranty coverage is included when you use SYLVANIA lamps and ballasts together as a system. See the QUICK 60+ warranty bulletin for complete details.



This product is also offered in new banded packaging and pallet packs.

Lamp & Ballast Type	System Watts	Initial LPW	Mean System Lumens @ 8000 Hours	Relative Light Output @ 8000 Hours	% Energy Savings	% Lamp Life @3hrs/start
2-F032/700 QTP 2x32 ISN	59	84	4,435	Baseline	Baseline	Baseline
2-F032/800/XP QTP 2x32 ISN	59	89	5,015	113%	0%	160%
2-F032/800/XP QTP 2x32 PSN	60/58	88/91	5,015	113%	0%	200%



The QUICKTRONIC PROStart ballasts are ideally suited for applications requiring extended lamp life. In short cycle applications, our PROStart ballasts will deliver twice the number of start cycles compared to electronic Instant Start ballasts.

Normal Ballast Factor

PROStart® T8 PSN UNV VOLTAGE

PROStart Programmed Rapid Start Systems

Item #	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens ²	Input Wattage (W)	System Efficacy (lm/W)
51399* 51400 51401	QTP 1x32T8/UNV PSN-TC 10-Pack Pallet Pack	120-277	0.26/0.11	F032/700	2800	1	0.88	2465	2220	31/30	79/82
			0.26/0.11	F032/XP	3000	1	0.88	2640	2510	31/30	85/88
			0.24/0.10	F030/SS	2850	1	0.88	2510	2385	29/28	87/90
			0.23/0.09	F028/SS	2725	1	0.88	2400	2280	27/26	89/92
			0.20/0.09	F025/SS	2475	1	0.88	2175	2065	24/23	91/95
51402* 51405 51406	QTP 2x32T8/UNV PSN-TC 10-Pack Pallet Pack	120-277	0.50/0.21	F032/700	2800	2	0.88	4930	4437	60/58	82/85
			0.50/0.21	F032/XP	3000	2	0.88	5280	5015	60/58	88/91
			0.47/0.20	F030/SS	2850	2	0.88	5015	4765	56/55	90/91
			0.45/0.19	F028/SS	2725	2	0.88	4800	4560	53/51	91/94
			0.39/0.17	F025/SS	2475	2	0.88	4355	4135	47/46	93/95
51403* 51410 51411	QTP 3x32T8/UNV PSN-SC 10-Pack Pallet Pack	120-277	0.74/0.31	F032/700	2800	3	0.88	7390	6650	88/85	84/87
			0.74/0.31	F032/XP	3000	3	0.88	7920	7525	88/85	90/93
			0.70/0.29	F030/SS	2850	3	0.88	7525	7150	83/80	91/94
			0.65/0.27	F028/SS	2725	3	0.88	7195	6835	77/75	93/96
			0.58/0.25	F025/SS	2475	3	0.88	6530	6205	69/68	95/96
51404* 51415 51416	QTP 4x32T8/UNV PSN-SC 10-Pack Pallet Pack	120-277	0.99/0.41	F032/700	2800	4	0.88	9855	8870	118/113	83/87
			0.99/0.41	F032/XP	3000	4	0.88	10,560	10,030	118/113	90/94
			0.93/0.39	F030/SS	2850	4	0.88	10,030	9530	111/106	90/95
			0.88/0.36	F028/SS	2725	4	0.88	9590	9110	104/99	92/97
			0.77/0.32	F025/SS	2475	4	0.88	8710	8275	92/90	95/97

*Products listed above are 10 Piece Banded Pack Item Numbers, (add "-B" to Description). For Pallet Pack add "-PAL" to Description.

²: Mean Lumens @ 8000 hours

Performance Guide

Data shown based upon SYLVANIA OCTRON® F032/XP™, F030/SS, F028/SS & F025/SS lamp performance. QUICKTRONIC® PROStart ballasts are also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

QUICKTRONIC PROStart ballasts will operate F17, F25 and F32 (and the U-Bend equivalent) T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

Specifications

Starting Method: Programmed Rapid-Start

Ballast Factor: 0.88

Circuit Type: Series

Lamp Frequency: > 40 KHz

Lamp CCF: Less than 1.6

Starting Temp: ¹

0°F for OCTRON T8 lamps;

60°F for SUPERSAVER® T8 lamps

Input Frequency: 50/60 Hz

Low THD: < 10%

Power Factor: > 98%

Voltage Range: +/-10%

UL Listed Class P, Type 1, Outdoor

CSA Certified

70°C Max Case Temp.

FCC 47CFR Part 18 Non-Consumer

Class A Sound Rating

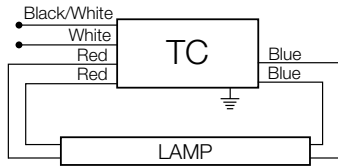
ANSI C62.41 Cat A. Transient

Remote Mounting up to 20 feet

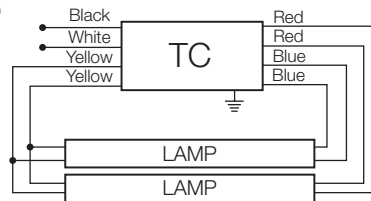
(keep blue wires short, ie. lamp(s) attached to the blue leads to remain in the fixture that houses the ballast).

¹ Operation below 50°F may affect light output or lamp operation – see "Low Temp. Starting" definition.

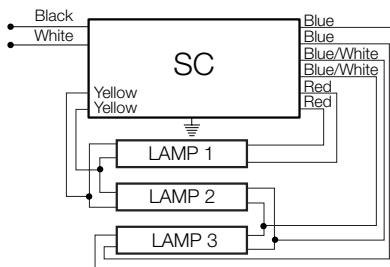
1 lamp



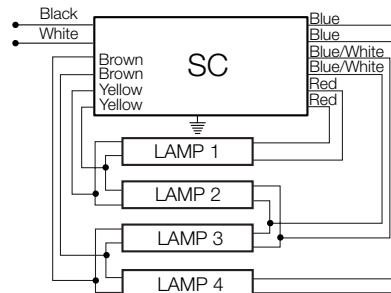
2 lamp



3 lamp



4 lamp



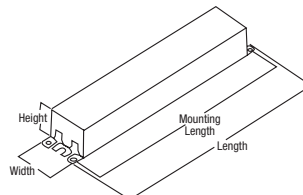
Dimensions "TC & SC" Enclosure:

"SC" Overall: 9.5" L x 1.68" W x 1.18" H

"TC" Overall: 9.5" L x 1.68" W x 1.00" H

Mounting: 8.90"

Weight: 1.6 lbs each



System Life / Warranty

QUICKTRONIC products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

Wiring/Packaging Configurations: 1, 2, 3 and 4 lamp "TC & SC" models: Wiring – Leads only (No connectors provided)

Item Number	51405	QTP 2 x 32T8 / UNV PSN TC	Enclosure Type (TC or SC)
QUICKTRONIC PROFESSIONAL			Starting Type/Ballast Factor – PROStart/Normal BF
Number of Lamps (1, 2, 3, 4)			Line Voltage (120-277V)
Primary Lamp Type (F32T8)			

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Ordering Guide

Specifications subject to change without notice.