

# QUICKTRONIC® PROStart® PSX T8 UNIVERSAL VOLTAGE

High Efficiency

OCTRON® XPS® Lamps

## Lamp/Ballast Guide

### Primary Systems 32W T8

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

- High Efficiency systems – over 90% efficient
- OCTRON XPS lamps  
30,000 hours (3 hours/start)
- PROStart PSX Xtreme Ballast Programmed Rapid Start
- Occupancy sensor applications
- Universal Input Voltage
- 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"
- Operates at >40Khz to avoid interference with infrared control systems

## Application Information

### SYLVANIA QUICKTRONIC PROStart Ballasts

are ideally suited for:

- Any application where maximum lamp life is required to reduce maintenance costs
- Energy retrofits
- Occupancy sensors
- Building control systems

### SYLVANIA QUICKTRONIC

**PROStart PSX** programmed rapid start electronic ballasts are specifically designed to be combined with the OCTRON XPS high performance T8 lamps.

The extra low (0.71) ballast factor PROStart ballast combined with the high lumen output OCTRON XPS T8 lamps deliver similar light output compared to a standard 700 series T8/88% BF system while saving up to 20% in energy.

Compared to typical ES T12/Magnetic lighting systems, SYLVANIA Xtreme Systems will deliver comparable light output while saving over 35% in energy.

In addition to substantial energy savings, QUICKTRONIC Xtreme delivers an optimized programmed start which extends OCTRON XPS lamp life to 30K hours (3 hours/start).

This advanced starting process drastically reduces the amount of



cathode sputtering, resulting in improved lamp life in all applications.

All SYLVANIA Professional Series (QTP) of electronic ballasts feature high power quality (<10% THD),

lightweight, low profile designs.

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

## System Information

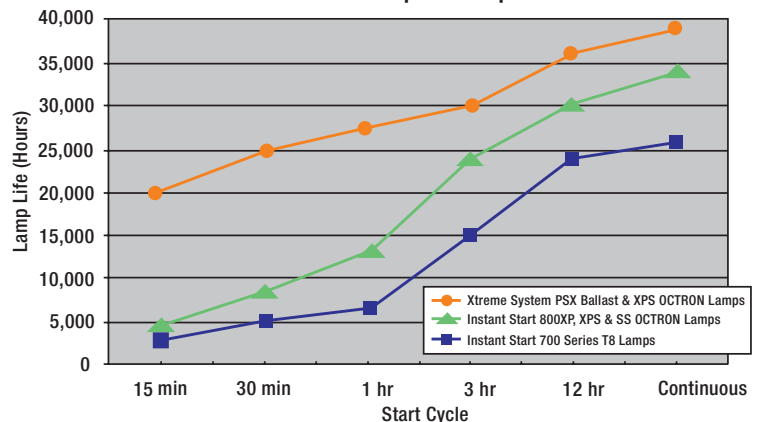
QUICKTRONIC PROStart ballasts provide optimized starting conditions for the OCTRON XPS lamp to provide up to 100,000 switching cycles and extended lamp life for occupancy sensor and building control system applications.

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

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.

Lamp & Ballast Type	Input Watts	Initial LPW	Mean System Lumens @ 8000 Hours	Relative Light Output @ 8000 Hours	% Energy Savings	% Lamp Life
2-F34T12 E.S. Magnetic Ballast	72	65	4,105	Baseline	Baseline	Baseline
2-F032/700 QTP 2x32 ISN	59	84	4,435	108%	18%	75%
2-F032/800/XP QTP 2x32 ISL	51	92	4,445	108%	29%	120%
2-F032/800/XPS QTP 2x32 PSX	47	94	4,180	102%	35%	150%

Fluorescent Lamp Life Comparison



## Low Ballast Factor

# PROStart® T8 PSX UNV VOLTAGE

## Xtreme Systems: PSX Ballast & XPS Lamps

Item #	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens <sup>2</sup>	Input Wattage (W)	System Efficacy (lm/W)
51224* 51420 51421	QTP 1x32T8/UNV PSX-TC 10-Pack Pallet Pack	120-277	0.21/0.09 0.21/0.09	F032/700 F032/XPS	2800 3100	1 1	0.71 0.71	1990 2200	1790 2090	25 25	80 88
51225* 51425 51426	QTP 2x32T8/UNV PSX-TC 10-Pack Pallet Pack	120-277	0.40/0.17 0.40/0.17	F032/700 F032/XPS	2800 3100	2 2	0.71 0.71	3975 4400	3580 4180	47/46 47/46	85/86 94/96
51226* 51430 51431	QTP 3x32T8/UNV PSX-SC 10-Pack Pallet Pack	120-277	0.59/0.25 0.59/0.25	F032/700 F032/XPS	2800 3100	3 3	0.71 0.71	5965 6600	5370 6270	73/71 73/71	82/84 90/93
51227* 51435 51436	QTP 4x32T8/UNV PSX-SC 10-Pack Pallet Pack	120-277	0.78/0.33 0.78/0.33	F032/700 F032/XPS	2800 3100	4 4	0.71 0.71	7950 8800	7155 8360	93/91 93/91	85/87 95/96

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

<sup>2</sup>: Mean Lumens @ 8000 hours

## Performance Guide

Data shown based upon SYLVANIA OCTRON® F032XPS® lamps. QTP PROStart PSX is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

QUICKTRONIC® PSX ballasts will operate F17, F25 and F32 (& U-Bent equivalents) lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

## Specifications

**Starting Method:** Programmed Rapid-Start

**Ballast Factor:** 0.71

**Circuit Type:** Series

**Lamp Frequency:** > 40 KHz

**Lamp CCF:** Less than 1.6

**Starting Temp:**<sup>1</sup>

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

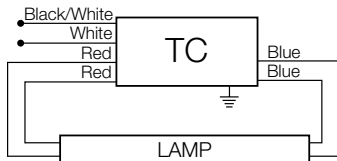
ANSI C62.41 Cat A. Transient

Remote Mounting up to 20 feet

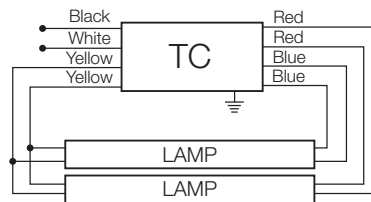
(keep blue wires short, ie. lamp(s) attached to the blue leads to remain in the fixture that houses the ballast).

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

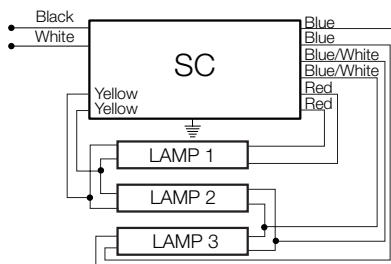
### 1 lamp



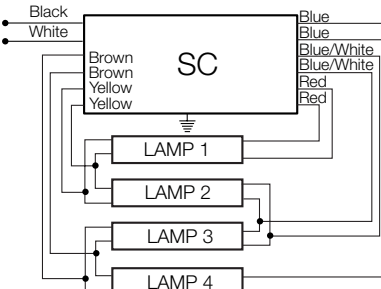
### 2 lamp



### 3 lamp



### 4 lamp



### Dimensions "TC & SC" Enclosure:

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

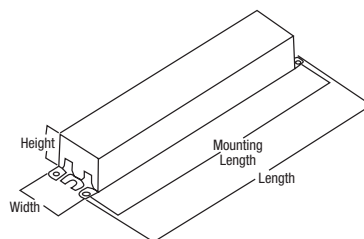
"TC" Overall: 9.5" L x 1.68" W x 1.00" H

Mounting: 8.90"

### Packaging:

Quantity: 10 pieces for Banded Pack and 10-Pack  
840 pieces for Pallet Pack

Weight: 1.6 lbs each



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

Item Number ————— 51425 QTP 2 x 32T8 / UNV PSX TC  
 QUICKTRONIC PROFESSIONAL ————— Enclosure Type (TC or SC)  
 Number of Lamps ————— Starting Type/Ballast Factor – PROStart/Xtreme BF  
 Primary Lamp Type (F32T8) ————— Line Voltage

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## 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.

## Ordering Guide

Specifications subject to change without notice.