

# QUICKTRONIC® PROStart® PSX T8 Universal Voltage



**Xtreme Systems**  
**OCTRON® XPS® Lamps**

## High Efficiency Series

PSX T8 XPS

### 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:

- FB032, FB031, F025, FB024, F017, FB016, F030/SS, FB030/SS (30W), FB029/SS, F028/SS (28W) & F025/SS (25W)

### Key System Features

- High Efficiency systems – over 90% efficient
- PROStart PSX Xtreme Ballast Programmed Rapid Start
- Universal input voltage (120-277V)
- Min. Starting Temp:
  - 0°F (18°C) for T8 lamps
  - 60°F (16°C) for Energy Saving T8 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.

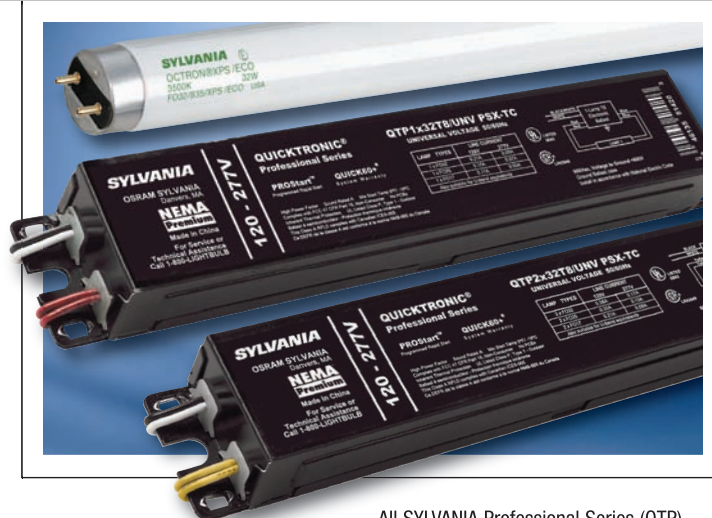
In addition to substantial energy savings, QUICKTRONIC Xtreme delivers an optimized programmed start which extends OCTRON XPS lamp life.

### System Information

#### SYLVANIA QUICKTRONIC High Efficiency PROStart System advantages:

- Operate from 120V through 277V
  - Eliminates "wrong voltage" errors
  - Reduces inventory by 50%
- Utilizes Programmed Rapid Start operation for:
  - Highest System Efficacy
  - Longer Life
  - Over 100,000 switching cycles for occupancy sensor and building control systems applications with OCTRON XPS T8 lamps
- Operate at >40kHz to reduce potential interference with infrared control systems
- Very low harmonic distortion (<10%)THD

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.

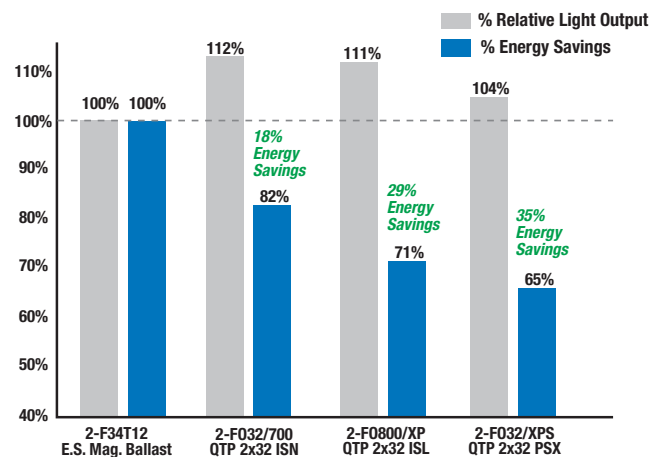


This advanced starting process drastically reduces the amount of cathode sputtering, resulting in improved lamp life in all applications.

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

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

Lamp & Ballast Type	Input Power (W)	System Lumens	Initial LPW	Mean System Lumens	Relative Mean Light Output	% Energy Savings
2-F34T12 E.S. Magnetic Ballast	72	4665	65	3965	Baseline	Baseline
2-F032/700 QTP 2x32 ISN	59	4930	84	4435	112%	18%
2-F032/800/XP QTP 2x32 ISL	51	4680	92	4400	111%	29%
2-F032/800/XPS QTP 2x32 PSX	47	4400	94	4140	104%	35%



Data shown based upon SYLVANIA OCTRON® lamps shown. QTP PROStart PSX is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications. QTP PROStart ballasts will also operate F17 & F25, SUPERSAVER® & U-Bend equivalent T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Ballast Technology & Specification Guide.

Specifications

Data based on F032T8/XPS

- 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>2</sup> 0°F (-18°C) for OCTRON T8 lamps; 60°F (16°C) for SUPERSAVER® T8 lamps
- Input Frequency: 50/60 Hz
- Low THD: <10%
- Power Factor: >98%
- Voltage Range: ±10% of 120-277V rated line (108-305V)

- 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 GFCI compatible
- Emergency ballast compatible
- Remote Mounting (Max. wire length from ballast case to lampholder):
  - 20 ft: full wattage T8s
  - 10 ft: energy saving T8s
  - 4 ft: 25W energy saving T8s
 (keep blue wires short, ie. lamp(s) attached to the blue leads to remain in the fixture that houses the ballast).
- <sup>2</sup> Operation below 50°F (10°C) may affect light output or lamp operation – see “Low Temp. Starting” definition.

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.

**OSRAM SYLVANIA**  
National Customer Service and Sales Center  
1-800-LIGHTBULB  
(1-800-544-4828)  
www.sylvania.com



SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

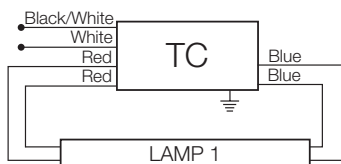
Xtreme Systems: PSX Ballast & XPS Lamps Universal Voltage (120-277V)



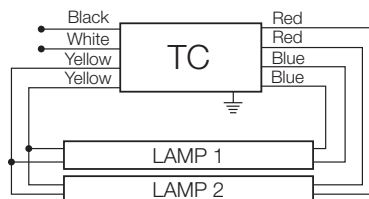
Item Number	OSRAM SYLVANIA Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF <sup>1</sup>
51224	QTP 1x32T8/UNV PSX-TC	0.21/0.09	F032/700	2800	1	0.71	1990	1790	25	80	2.84
	Banded Pack										
	10-Pack										
51420	10-Pack	0.21/0.09	F032/XPS	3100	1	0.71	2200	2070	25	88	2.84
51421	Pallet Pack										
51225	QTP 2x32T8/UNV PSX-TC	0.40/0.17	F032/700	2800	2	0.71	3975	3580	47/46	85/86	1.54
	Banded Pack										
	10-Pack										
51425	10-Pack	0.40/0.17	F032/XPS	3100	2	0.71	4400	4140	47/46	94/96	1.54
51426	Pallet Pack										
51226	QTP 3x32T8/UNV PSX-SC	0.59/0.25	F032/700	2800	3	0.71	5965	5370	73/71	82/84	1.00
	Banded Pack										
	10-Pack										
51430	10-Pack	0.59/0.25	F032/XPS	3100	3	0.71	6600	6205	73/71	90/93	1.00
51431	Pallet Pack										
51227	QTP 4x32T8/UNV PSX-SC	0.78/0.33	F032/700	2800	4	0.71	7950	7155	93/91	85/87	0.78
	Banded Pack										
	10-Pack										
51435	10-Pack	0.78/0.33	F032/XPS	3100	4	0.71	8800	8275	93/91	95/96	0.78
51436	Pallet Pack										

Banded Pack, (add “-B” to Description). Banded Pack and 10-Pack contain 10 pieces each. Pallet Pack contains 840 pieces, (add “-PAL” to Description)  
<sup>1</sup>: Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).

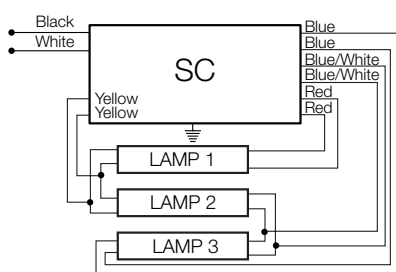
1 lamp



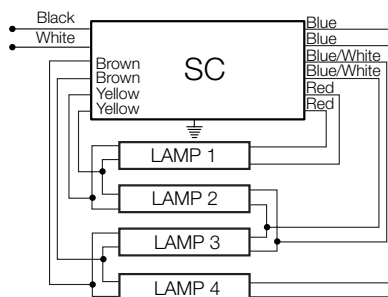
2 lamp



3 lamp



4 lamp



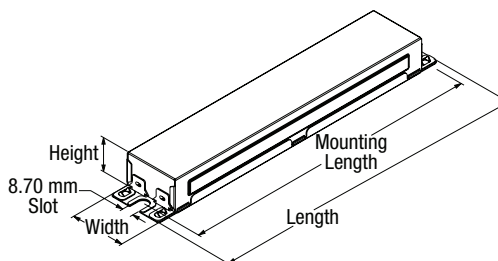
Dimensions “TC & SC” Enclosure:

“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



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

Item Number	51225	QTP 2 x 32T8 / UNV PSX - TC	Enclosure Type (TC or SC)
QUICKTRONIC PROFESSIONAL			Starting Type/Ballast Factor - PROStart/Xtreme BF
Number of Lamps			Line Voltage (120-277V)
Primary Lamp Type (F32T8)			