<10% THD Electronic T8 Fluorescent PSX/XPS Xtreme Systems

QUICKTRONIC® PROStart® PSX T8 UNIVERSAL VOLTAGE

Professional Series   OCTRON® XPS™ Lamps

Lamp/Ballast Guide

Primary Systems
32W T8

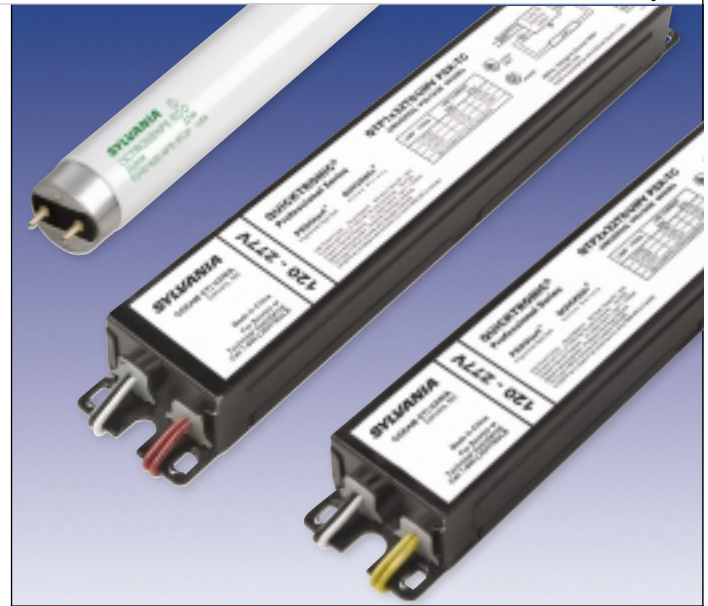|	
1-lamp	QTP1x32T8/UNV PSX-TC
2-lamp	QTP2x32T8/UNV PSX-TC
3-lamp	QTP3x32T8/UNV PSX-SC
4-lamp	QTP4x32T8/UNV PSX-SC

Also operates:
FBO32, FBO31, FO25, FBO24, FO17, FBO16

Key System Features

- OCTRON XPS lamps
  30,000 hours (3 hours/start)
- PROStart
  Programmed Rapid Start
- Universal Input Voltage
- 0°F (–18°C) min. starting temperature
- Low profile enclosures
  1.00" high "**T**hin **C**an"
  1.18" high "**S**mall **C**an"
- Operates at >40Khz to avoid interference with infrared control systems
- UL, CSA
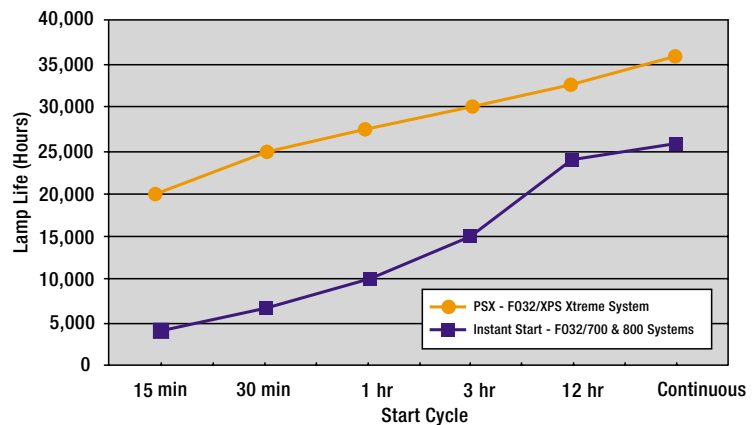- QUICK 60+® ballast and lamp warranty

Application Information

SYLVANIA QUICKTRONIC PROStart Ballast
is ideally suited for:

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

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.

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	System Wattage	Ballast Factor	Initial System Lumens	Lumen Maint. Factor @ 8000 Hours	Mean System Lumens @ 8000 Hours	Relative Light Output @ 8000 Hours	Relative Lamp Life
2-FO32/741 QT 2x32 IS	59	.90	5040	.90	4535	100%	100%
2-FO32/841/XP/ECO QT 2x32 LP	51	.77	4620	.95	4390	97%	120%
2-FO32/841/XPS QT 2x32 PSX/UNV	47	.71	4470	.95	4250	94%	200%

Fluorescent Lamp Life Comparison

Legend:
- PSX - FO32/XPS Xtreme System
- Instant Start - FO32/700 & 800 Systems

X-axis: Start Cycle — 15 min, 30 min, 1 hr, 3 hr, 12 hr, Continuous
Y-axis: Lamp Life (Hours) — 0 to 40,000

SYLVANIA

<10% THD Electronic T8 Fluorescent PSX/XPS Xtreme Systems

Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
51420	QTP 1x32T8/UNV PSX-TC	120-277	0.21/0.09	FO32/XPS	3150	1	0.71	2230	25	89
51425	QTP 2x32T8/UNV PSX-TC	120-277	0.40/0.17	FO32/XPS	3150	2	0.71	4470	47/46	95/97
51430	QTP 3x32T8/UNV PSX-SC	120-277	0.59/0.25	FO32/XPS	3150	3	0.71	6710	73/71	92/95
51435	QTP 4x32T8/UNV PSX-SC	120-277	0.78/0.33	FO32/XPS	3150	4	0.71	8940	93/91	96/98

The following item numbers will be discontinued and replaced by products above:
51210, 51211, 51212, 51213
51220, 51221, 51222, 51223
51230, 51231, 51232, 51233
51240, 51241, 51242, 51243

Performance Guide

Data shown based upon SYLVANIA OCTRON FO32/XPS lamp performance. QUICKTRONIC PROStart PSX is 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-Bent equivalents) lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

1 lamp

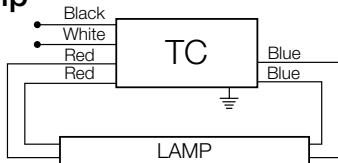### 2 lamp

3 lamp

4 lamp

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.: 0°F min.[1]
Input Frequency: 50/60 Hz
Low THD: < 10%
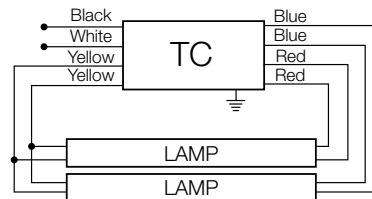**Power Factor:** > 98%
Voltage Range: +/–10%

UL Listed Class P, Type 1 Outdoor
CSA Certified
70°C Max Case Temp.
FCC 47CFR Part 18 Non-Consumer
This Class A RFLD complies with Canadian ICES-005
Class A Sound Rating
ANSI C62.41 Cat A. Transient
Remote Mounting up to 18 feet

[1] Operation below 50°F may affect light output or lamp operation – see "Low Temp. Starting" definition.
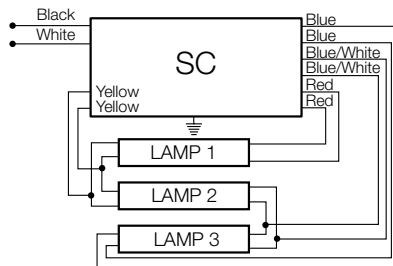
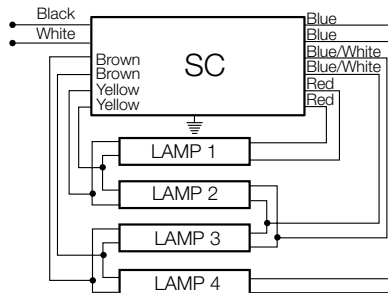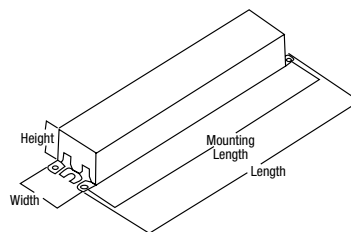### Dimensions "TC & SC" Enclosure:
"SC" Overall: 9.5" L x 1.68" W x 1.18" H
"TC" Overall: 9.5" L x 1.68" W x 1.00" H
Mounting: 8.90"
Weight: 1.6 lbs each

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 — **51425 QTP 2 x32T8 / UNV PSX TC**
QUICKTRONIC PROFESSIONAL
Number of Lamps (1, 2, 3, 4)
Primary Lamp Type (F32T8)
Enclosure Type (TC or SC)
Starting Type/Ballast Factor – PROStart/Xtreme BF
Line Voltage

Ordering Guide

Specifications subject to change without notice.

Pallet Packs
51421 QTP 1x32T8/UNV PSX-TC
51426 QTP 2x32T8/UNV PSX-TC
51431 QTP 3x32T8/UNV PSX-SC
51436 QTP 4x32T8/UNV PSX-SC