

Electronic T8 Fluorescent Systems

QUICKTRONIC® T8 Instant Start (PLUS) & Universal Voltage

Professional Series

High Light Output

Lamp/Ballast Guide

- 32W T8 - OCTRON®**
 2-lamp QT2x32T8/ISH-SC
 3-lamp QT3x32 PLUS
 3-lamp QTP3x32T8 UNV ISH SC
 4-lamp QHE4x32 277 ISH

Also operates:

- FO30/SS (30W Lamp),
 FBO30/SS (30W Lamp) &
 FO28/SS (28W Lamp)

Key System Features

- New low profile available
1.18" high "Small Can"
- Standard enclosure size (4 lamp)
and PLUS models
- 120% Ballast factor* (118)
- 30% More light output than
standard T8 systems
- 0°F (-18°C) min. starting temp.
for OCTRON lamps
- 60°F (16°C) min. starting
temperature with OCTRON
SUPERSAVER® lamps
- Full lamp life
- Virtually eliminates lamp flicker
- Compatible with most
powerline carrier systems*
- High power factor
- Low harmonic distortion
- Low in-rush current
- Lightweight
- UL, CSA, FCC

Application Information

SYLVANIA QUICKTRONIC 32 ISH

is ideally suited for:

- Commercial
- Retail
- Hospitality
- Institutional
- Schools
- New Construction
- Retrofit
- Direct Lighting
- Indirect Lighting
- Surface Mount
- Cove Lighting

SYLVANIA QUICKTRONIC 32 ISH (PLUS) operates OCTRON FO32, FBO32 and FBO31 T8 lamps with increased lumen output and high system efficacy.

SYSTEM 32 ISH provides 20% more lumen output than F40T12 magnetic systems while saving nearly 20% in energy. Compared to standard T8 systems, 32PLUS provides 30% more light output.

High light output and multi-lamp capability for up to three lamps allows fewer ballasts to be used in a fixture and provides tandem wiring options. Also, parallel circuitry is utilized to keep the remaining lamps lit if one or more should go out.

Setting the standard for quality, SYSTEM 32 ISH is also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

System Information

SYSTEM 32 ISH uses instant start operation to provide the highest system efficacy and to assure low temperature starting capability. Instant start also provides for maximum remote wiring distances. Lamps are operated at their rated current, but a higher frequency to provide maximum light output while ensuring rated lamp life.

SYSTEM 32 ISH electronic ballasts have low harmonic distortion with corresponding low in-rush current* for optimal system performance.

SYSTEM 32 ISH electronic circuitry is designed to be compatible with powerline carrier systems.*

A complete OSRAM SYLVANIA System Performance Guide showing performance characteristics for all combinations of lamps and ballasts is available upon request.

* Except Universal Voltage and High Efficiency models



SYSTEM 32 ISH is available in two and three lamp models in 120V and 277V (and two lamps 347V) to cover a wide range of applications.

New QTP 3 lamp Universal Voltage (120-277) model and new 4 lamp QHE 277V model available.

System Type (2-lamp)		Input Wattage	Initial Lumens	System LPW
F40T12	Std. Magnetic Ballast	96	5795	60
	E.S. Magnetic Ballast	86	5795	67
F34T12	E.S. Magnetic Ballast	72	4750	66
FO32/XP	QT2x32T8/ISH-SC	78	7200	92
F028/SS	QT2x32T8/ISH-SC	67	6540	98
FB40T12/D41	E.S. Mag. Ballast	86	5795	67
F40TT5	Electronic Ballast (I.S.)	75	6000	80
FB032/XP	QT2x32T8/ISH-SC	78	6960	89
FB030/XP/SS	QT2x32T8/ISH-SC	73	6720	92

New QTP 3x32T8/UNV ISH-SC model operates from 120V through 277V, eliminating "wrong voltage" wiring errors and reducing the number of models in inventory by half.

T8 Instant Start High Ballast Factor

<20% THD Electronic T8 Fluorescent Systems

Item** Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp ¹ Type	Rated ² Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
49923	QT 2x32T8/120 ISH-SC	120	0.67	F032/XP	3000	2	1.20	7200	78	92
49924	QT 2x32T8/277 ISH-SC	277	0.29	F032/XP	3000	2	1.20	7200	78	92
49525	QT 3x32/120 PLUS	120	0.96	F032/XP	3000	3	1.18	10600	112	95
49526	QT 3x32/277 PLUS	277	0.42	F032/XP	3000	3	1.18	10600	112	95
49226	QT 2x32/347 PLUS***	347	0.23	F032/XP	3000	2	1.20	7200	78	92

QUICKTRONIC® Professional & QUICKTRONIC QHE High Efficiency Models <10%THD

49845*	QTP 3x32T8/UNV ISH-SC	120-277	0.95/0.41	F032/XP	3000	3	1.18	10600	114/111	93/96
49521*	QHE 4x32T8/277 ISH	277	0.53	F032/XP	3000	4	1.15	13800	148	93

*New product - check with OSRAM SYLVANIA for availability.

***49226 QT 2x32/347 PLUS will be discontinued and replaced by 49927 QT 2x32T8/347 ISH-SC.

**Available in 840 PC Pallet Pack

**Available in 500 PC Pallet Pack

49973 QT 2x32T8/120 ISH-SC
49974 QT 2x32T8/277 ISH-SC
49846 QTP 3x32T8/UNV ISH-SC

49522 QHE 4x32T8/277 ISH

Performance Guide

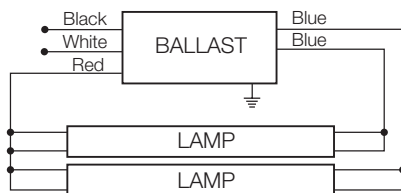
Data shown based upon SYLVANIA OCTRON® F032/XP™ lamp(s). QUICKTRONIC® 32PLUS is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

All models will also operate F32 (and the U-Bend equivalent) T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

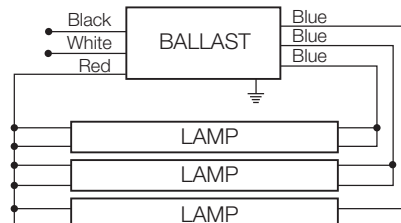
Specifications¹

Starting Method: Instant Start
Ballast Factor: 1.18-1.20
Circuit Type: Parallel
Lamp Frequency:
 All SC & QHE models: > 40KHz
 QT standard enclosure > 20KHz
Lamp CCF: Less than 1.7
Starting Temp.:¹
 0°F for OCTRON® T8 lamps;
 60°F for SUPERSAVER® T8 lamps
Input Frequency: 60 Hz
Low THD: < 20%
 QTP & QHE models < 10%
Power Factor: > 97%
 QTP & QHE models > 98%
Voltage Range: +/- 10% of Rated Input

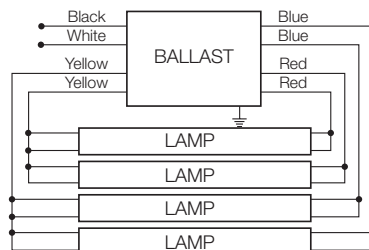
UL Listed Class P, Type 1, Outdoor
 CSA Certified
 70°C Max Case Temperature
 FCC 47CFR Part 18 Non-Consumer
 Class A Sound Rating
 ANSI C62.41 Cat. A Transient Protection
 Remote Mounting up to 18 feet



QUICKTRONIC 2x32 ISH



QUICKTRONIC 3x32 PLUS (ISH)



QUICKTRONIC 4x32 ISH

¹ Data based on F032/XP lamp. See the SYLVANIA QUICKTRONIC Electronic Ballast Technology and Specification Guide (ECS-ELECTRONIC) for other system combinations.

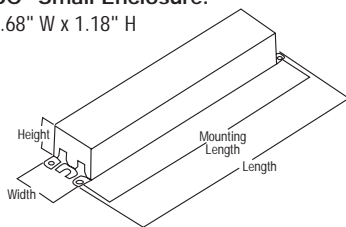
² Operation below 50°F may affect light output or lamp operation - see "Low Temp. Starting" definition.

Dimensions "SC" Small Enclosure:

Overall: 9.5" L x 1.68" W x 1.18" H
 Mounting: 8.90"

Wiring:
 Leads only

Packaging:
 10 pieces
 Weight: 1.6 lbs ea. (approx.)

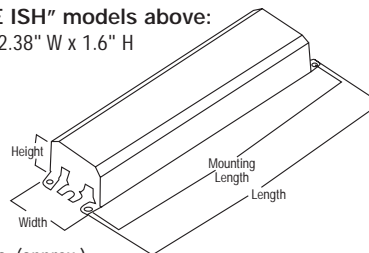


Dimensions Standard Enclosure

"PLUS & QHE ISH" models above:
 Overall: 9.5" L x 2.38" W x 1.6" H
 Mounting: 8.90"

Wiring:
 Leads only

Packaging:
 10 pieces
 Weight: 2.8 lbs ea. (approx.)



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.

Item Number ————— 49923 QT 2 x 32T8 / 120 ISH-SC ————— Case Size
 QUICKTRONIC ————— Starting/Ballast Factor
 Number of Lamps ————— Line Voltage
 Primary Lamp Wattage