

# <20% THD Electronic T8 Fluorescent Systems

## QUICKTRONIC® T8 Instant Start

Normal Light Output

Lamp/Ballast Guide

32W T8 - OCTRON®

1-lamp QT1x32T8 ISN-SC

2-lamp QT2x32T8 ISN-SC

3-lamp QT3x32T8 ISN-SC

4-lamp QT4x32T8 ISN-SC

Also operates:

FBO32, FBO31, FO25, FBO24, FO17, FBO16, FO30/SS, FBO30/SS (30W Lamps) & FO28/SS (28W Lamp)

F40T8 operation:

1 lamp on 2L ballast

2 lamps on 3L ballast

3 lamps on 4L ballast

Key System Features

- New small enclosure size option
- 89-90% Ballast factor
- 30-40% Energy savings
- 0°F (-18°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER® lamps
- High luminous efficacy
- Virtually eliminates lamp flicker
- Compatible with most powerline carrier systems.\*
- Quiet operation
- High power factor
- Low harmonic distortion
- Low in-rush current\*
- Lightweight
- UL, CSA, FCC

Application Information

**SYLVANIA QUICKTRONIC 32ISN-SC** is ideally suited for:

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

**SYLVANIA QUICKTRONIC 32IS, 32ISN-SC** operates OCTRON T8 lamps with maximum efficacy and high lumen output, and provides 30-40% energy savings when compared to F40T12 magnetic systems.

New small can enclosure option allows for low profile fixture design and application. New size also provides transportation, inventory and ergonomic benefits.

Parallel circuitry is utilized to keep the remaining lamps lit if one or more should go out.

Setting the standard for quality, SYSTEM 32IS, 32ISN-SC is also covered by our QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

SYSTEM 32IS, 32ISN-SC is available in one through four lamp models in 120V and 277V (and two through four lamp 347V) to cover a wide range of applications.

System Information

QUICKTRONIC 32IS, 32ISN-SC 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.

QUICKTRONIC 32IS, 32ISN-SC electronic ballasts have low harmonic distortion with corresponding low in-rush current\* for optimal system performance.

QUICKTRONIC 32IS, 32ISN-SC 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.

\* 1, 2 & 3 lamp models

System Type	Input Wattage	Initial Lumens	System LPW
<b>2-lamp ISN-SC</b>			
F40T12 - Std. Magnetic Ballast	96	5795	60
F40T12 - E.S. Magnetic Ballast	86	5795	67
F34T12 - Std. Magnetic Ballast	82	4750	58
F34T12 - E.S. Magnetic Ballast	72	4750	66
F32T8/700 - Magnetic	71	5320	75
F032/XP - QT2x32T8/ISN-SC	59	5400	92
F028/SS - QT2x32T8/ISN-SC	52	4905	94
<b>4-lamp ISN</b>			
F40T12 - Std. Magnetic Ballast	192	11590	60
F40T12 - E.S. Magnetic Ballast	172	11590	67
F34T12 - Std. Magnetic Ballast	164	9500	58
F34T12 - E.S. Magnetic Ballast	144	9500	66
F32T8/700 - Magnetic	142	10640	75
F032/XP - QT4x32T8/ISN-SC	114	10700	94
F028/SS - QT4x32T8/ISN-SC	100	9700	97
<b>840 PC Pallet Packs – ISN-SC</b>		Weight: 1.6 lbs ea. (approx.)	
49951 QT1x32T8/120 ISN-SC-PAL	49952 QT1x32T8/277 ISN-SC-PAL		
49953 QT2x32T8/120 ISN-SC-PAL	49954 QT2x32T8/277 ISN-SC-PAL		
49955 QT3x32T8/120 ISN-SC-PAL	49956 QT3x32T8/277 ISN-SC-PAL		
49957 QT4x32T8/120 ISN-SC-PAL	49958 QT4x32T8/277 ISN-SC-PAL		
49242 QT2X32T8/347 ISN-SC-PAL			
<b>500 PC Pallet Packs – IS</b>		Weight: 2.8 lbs each (approx)	
49228 QT3x32/347IS-PAL			

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SEE THE WORLD IN A NEW LIGHT

# T8 Instant Start Normal Ballast Factor

## <20% THD Electronic T8 Fluorescent Systems

Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp <sup>1</sup> Type	Rated <sup>2</sup> Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
49911*	QT 1x32T8/120 ISN-SC	120	0.26	F032/XP	3000	1	0.90	2700	30	90
49912	QT 1x32T8/277 ISN-SC	277	0.11	F032/XP	3000	1	0.90	2700	30	90
49913	QT 2x32T8/120 ISN-SC	120	0.51	F032/XP	3000	2	0.90	5400	59	92
49914	QT 2x32T8/277 ISN-SC	277	0.22	F032/XP	3000	2	0.90	5400	59	92
49915**	QT 3x32T8/120 ISN-SC	120	0.74	F032/XP	3000	3	0.89	8010	87	92
49916**	QT 3x32T8/277 ISN-SC	277	0.32	F032/XP	3000	3	0.89	8010	87	92
49917**	QT 4x32T8/120 ISN-SC	120	0.95	F032/XP	3000	4	0.89	10700	114	94
49918**	QT 4x32T8/277 ISN-SC	277	0.42	F032/XP	3000	4	0.89	10700	114	94
49240	QT 2x32T8/347 ISN-SC	347	0.18	F032/XP	3000	2	0.90	5400	59	92
49593***	QT 3x32/347 IS	347	0.26	F032/XP	3000	3	0.90	8100	87	93
49994	QT 4x32T8/347 ISN-SC	347	0.34	F032/XP	3000	4	0.90	10800	112	95

<sup>1</sup> Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards.

<sup>2</sup> Rated lamp lumens and performance data based on OCTRON XP™ series lamps.

\* The QT 1x32T8/120 ISN-SC meets FCC 47 CFR Part 18 Consumer Limits.

\*\*\*49593 to be replaced by 49993 QT3x32T8/347 ISN-SC. New product. Check with OSI for availability.

\*\*49915 QT3x32T8/120 ISN-SC replaces 49515 QT3x32/120 IS (discontinued)

\*\*49916 QT3x32T8/277 ISN-SC replaces 49516 QT3x32/277 IS (discontinued)

\*\*Standard enclosure 4-lamp models below still available:

49517 QT4x32/120 IS and 49518 QT4x32/277 IS

### Performance Guide

Data shown based upon SYLVANIA OCTRON® F032/XP™ lamp(s). QUICKTRONIC® 32IS and 32ISN-SC are also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

All models will also 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<sup>1</sup>

**Starting Method:** Instant Start  
**Ballast Factor:** 0.89-0.90  
**Circuit Type:** Parallel  
**Lamp Frequency:**  
**All SC models:** > 40KHz  
 standard enclosure > 20KHz  
**Lamp CCF:** Less than 1.7  
**Starting Temp.:**<sup>1</sup>  
 0°F for OCTRON® T8 lamps;  
 60°F for SUPERSAVER® T8 lamps  
**Input Frequency:** 60 Hz  
**Low THD:** < 20%  
**Power Factor:** > 97%  
**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

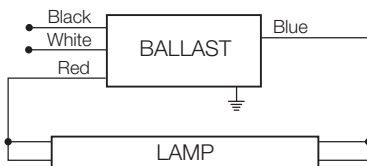
<sup>1</sup> Operation below 50°F may affect light output or lamp operation – see "Low Temp. Starting" definition.

### System Life / Warranty

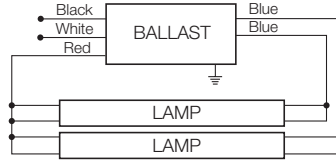
QUICKTRONIC products are covered by our QUICK 60+ warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

### Ordering Guide

Specifications subject to change without notice.

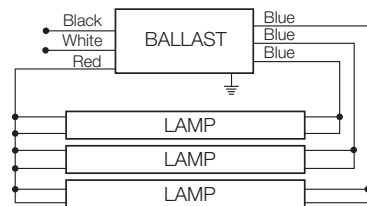


**QUICKTRONIC 1x32**



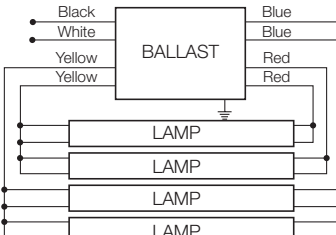
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

**QUICKTRONIC 2x32**



Note: For two lamp application, cap any blue lead. Insulate to 600 volts.

**QUICKTRONIC 3x32**



Note: For three lamp application, cap any unused blue lead. Insulate to 600 volts.

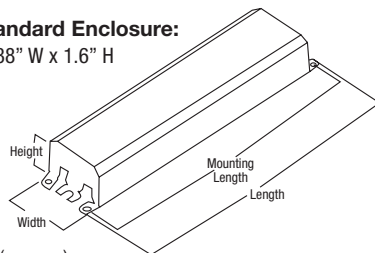
**QUICKTRONIC 4x32**

#### Dimensions Standard Enclosure:

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.)

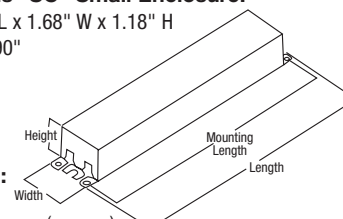


#### Dimensions "SC" Small Enclosure:

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.)



Item Number	49915 QT 3 x 32T8 / 120 ISN-SC	Case Size
QUICKTRONIC		Starting/Ballast Factor
Number of Lamps		Line Voltage
		Primary Lamp Wattage