

# QUICKTRONIC® T8 Instant Start Universal Voltage Systems



High Ballast Factor

## Professional Series

QTP T8 ISH

### Lamp / Ballast Guide

- 32W T8 - OCTRON® lamps**  
 1-lamp QTP1x32T8 ISH-SC  
 2-lamp QTP2x32T8 ISH-SC  
 3-lamp QTP3x32T8 ISH-SC

**Also operates:**

- FB032, FB031, F030/SS (30W), FB030/SS (30W), FB029/SS (29W), F028/SS (28W) & F025/SS (25W)

### Key System Features

- Universal voltage (120-277V)
- Small can enclosure size
- 1.20 & 1.18 high ballast factor
- 30-40% Energy savings
- Min. Starting Temp:
  - -20°F (-29°C) for T8 lamps
  - 60°F (16°C) for Energy Saving T8 lamps
- <10% THD
- Full lamp life
- Virtually eliminates lamp flicker
- RoHS compliant
- Lead-free solder, printed circuit board and manufacturing process

### Application Information

**SYLVANIA QUICKTRONIC 32 UNV ballasts**

are ideally suited for:

- Commercial
- Retail
- Hospitality
- Institutional
- New Construction
- Retrofit

SYLVANIA QUICKTRONIC SYSTEM 32 UNV ISH electronic T8 ballasts offer several advantages:

- 1. Operate OCTRON T8 lamps with maximum efficacy and high lumen output**
  - 30-40% energy savings when compared to F40T12 magnetically ballasted systems (see table below)
- 2. Parallel Circuitry:** keeps remaining lamps lit if one or more go out.
- 3. Small Can Enclosure for:**
  - low profile fixture design
  - transportation, inventory and ergonomic benefits
- 4. New Banded Packaging**
  - Distributor-friendly for easy stocking and individual ballast sales
  - Reduced waste
  - Easy removable bands
  - No tangled wires



These ballasts are RoHS compliant and feature lead-free solder, printed circuit boards and manufacturing process.

Setting the standard for quality, QUICKTRONIC T8 Instant Start 32 UNV-ISH

systems are also covered by our QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

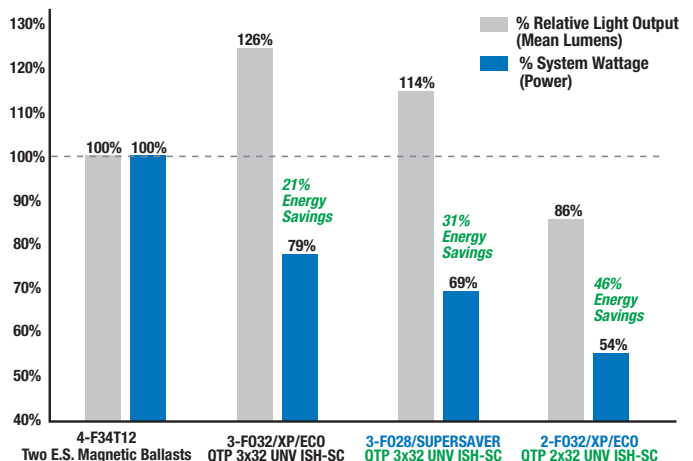
### System Information

SYLVANIA QUICKTRONIC SYSTEM 32 (QTP) UNV advantages:

- Operate from 120V through 277V
  - Eliminates "wrong voltage" errors
  - Reduces inventory by 50%
- Utilizes Instant Start operation for
  - Highest System Efficacy
  - Low temperature starting capability
- Very low harmonic distortion (<10%)THD
- Operate at >42kHz to reduce potential interference with infrared control systems

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

System Type	Input Power (W)	Initial System Lumens	System Efficacy LPW	Mean System Lumens	Relative Mean Light Output	Energy Savings
4:F34T12 - Two E.S. Magnetic Ballasts	144	9330	65	7930	Baseline	Baseline
4:F032T8/700 - QTP4x32T8/UNV-ISH-SC	112	9860	88	8870	112%	22%
3:F032/XP - QTP3x32T8/UNV-ISH-SC	114/111	10620	93/96	10000	126%	21%
3:F028/SS - QTP3x32T8/UNV-ISH-SC	100/98	9645	97/98	9070	114%	31%
2:F032/XP - QTP2x32T8/UNV-ISH-SC	78	7200	92	6800	86%	46%
2:F028/SS - QTP2x32T8/UNV-ISH-SC	69	6540	95	6150	78%	52%



**SPECIFICATION DATA**

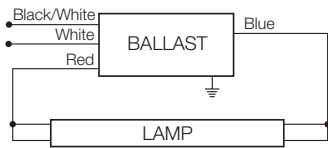
Catalog #	Date	Type
Project	Prepared by	
Comments		

**Universal Voltage (120-277V)**

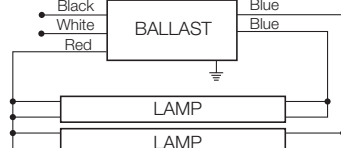


Item Number	OSRAM SYLVANIA Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF <sup>1</sup>
49829	QTP1x32T8/UNV ISH-SC <i>Banded Pack</i>	0.33/0.15	F032/700	2800	1	1.20	3360	3025	41	82	2.93
		0.33/0.15	F032/XP	3000	1	1.20	3600	3385	41	88	2.93
		0.31/0.14	F030/SS	2850	1	1.20	3420	3215	39	89	3.08
		<b>0.29/0.13</b>	<b>F028/SS</b>	<b>2725</b>	<b>1</b>	<b>1.20</b>	<b>3270</b>	<b>3075</b>	<b>36</b>	<b>91</b>	<b>3.33</b>
49842	<i>Pallet Pack</i>	0.27/0.12	F025/SS	2475	1	1.20	2970	2790	32	93	3.75
49830	QTP2x32T8/UNV ISH-SC <i>Banded Pack</i>	0.65/0.28	F032/700	2800	2	1.20	6720	6050	78	86	1.54
		0.65/0.28	F032/XP	3000	2	1.20	7200	6770	78	92	1.54
		0.61/0.26	F030/SS	2850	2	1.20	6840	6430	73	93	1.64
		<b>0.57/0.25</b>	<b>F028/SS</b>	<b>2725</b>	<b>2</b>	<b>1.20</b>	<b>6540</b>	<b>6150</b>	<b>69</b>	<b>95</b>	<b>1.74</b>
49843	<i>10-Pack</i>	0.51/0.22	F025/SS	2475	2	1.20	5940	5585	61	97	1.97
49844	<i>Pallet Pack</i>										
49831	QTP3x32T8/UNV ISH-SC <i>Banded Pack</i>	0.95/0.41	F032/700	2800	3	1.18	9910	8920	114/111	87/89	1.06
		0.95/0.41	F032/XP	3000	3	1.18	10620	9985	114/111	93/96	1.06
		0.89/0.39	F030/SS	2850	3	1.18	10090	9485	107/104	94/97	1.13
		<b>0.84/0.36</b>	<b>F028/SS</b>	<b>2725</b>	<b>3</b>	<b>1.18</b>	<b>9645</b>	<b>9070</b>	<b>100/98</b>	<b>97/98</b>	<b>1.20</b>
49845	<i>10-Pack</i>	0.75/0.32	F025/SS	2475	3	1.18	8760	8235	89/88	98/99	1.34
49846	<i>Pallet Pack</i>										

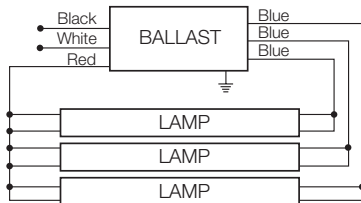
*Banded Pack, (add "-B" to Description). Banded Pack and 10-Pack contain 10 pieces each. Pallet Pack contains 840 pieces, (add "-PAL" to Description).  
1: Ballast Efficiency Factor (BEF) shown = (Ballast Factor X 100) divided by Input Power (Note: calculation based on lowest wattage value).*



**QUICKTRONIC 1x32**



**QUICKTRONIC 2x32**



**QUICKTRONIC 3x32**

**Dimensions:**

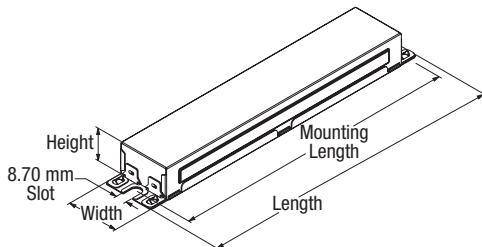
Overall: 9.5" L x 1.68" W x 1.18" H  
Mounting: 8.90"

**Product Weight:**

1.6 lbs each (approx)

**Wiring:**

Leads only (no connectors provided)



Item Number	49831	QTP 3 x 32T8 / UNV ISH - SC	Case Size
QUICKTRONIC PROFESSIONAL			Starting/Ballast Factor
Number of Lamps			Line Voltage (120-277V)
			Primary Lamp Wattage

**High Ballast Factor**

**T8 Instant Start**

**Professional Series**

**Performance Guide**

Data based upon SYLVANIA OCTRON® lamps shown. QUICKTRONIC® 32ISH-SC is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

QTP Instant Start ballasts will operate F32 (and the SUPERSAVER & U-Bend equivalent) T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

**Specifications**

Data based on F32T8

- Starting Method: Instant Start
- Ballast Factor: 1.18 & 1.20
- Circuit Type: Parallel
- Lamp Frequency: >40kHz
- Lamp CCF: Less than 1.7
- Starting Temp:<sup>2</sup>
  - 20°F (-29°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 Temperature
- FCC 47CFR Part 18 Non-Consumer
- Class A Sound Rating
- RoHS Compliant<sup>3</sup>
- ANSI C62.41 Cat. A Transient Protection
- 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
- 2 Operation below 50°F (10°C) may affect light output or lamp operation – see "Low Temp. Starting" definition.
- 3 Complies with European Union Restriction of Hazardous Substances Directive.

**System Life / Warranty**

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

**OSRAM SYLVANIA National Customer Service and Sales Center**

1-800-LIGHTBULB  
(1-800-544-4828)  
www.sylvania.com

*Specifications subject to change without notice.*

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**QTP T8 ISH**

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