

# QUICKTRONIC® T8 Instant Start UNIVERSAL VOLTAGE

Professional Series

Normal Ballast Factor

## Lamp/Ballast Guide

### 32W T8 - OCTRON®

- 1-lamp QTP1x32T8 ISN-SC
- 2-lamp QTP2x32T8 ISN-SC
- 3-lamp QTP3x32T8 ISN-SC
- 4-lamp QTP4x32T8 ISN-SC

### Also operates:

FBO32, FBO31, FO25, FBO24, FO17, FBO16, FO30/SS (30W), FBO30/SS (30W), FBO29/SS (29W), FO28/SS (28W) & FO25/SS (25W)

### FO40T8 operation:

- 1 lamp on 2L ballast
- 2 lamps on 3L ballast
- 3 lamps on 4L ballast

Note: FO40T8 0°F Starting Temp.

### SYLVANIA QUICKTRONIC

**SYSTEM 32 UNV** 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 allows for low profile fixture design and application. New size provides transportation, inventory and ergonomic benefits. Also available in banded packaging which replaces shrink-wrap product for added benefits.\*

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

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



### \* Benefits of banded packaging include:

- Distributor-friendly for easy stocking and individual ballast sales
- Contractor-friendly for easy handling
- Reduced waste
- Easily removable bands
- No tangled wires

## Key System Features

- New universal voltage (120-277)
- New small enclosure size
- 88% Ballast factor
- 30-40% Energy savings
- -20°F (-29°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER lamps
- <10% THD
- Virtually eliminates lamp flicker

## System Information

SYSTEM 32 UNV operates from 120V through 277V, eliminating "wrong voltage" wiring errors and reducing the number of models in inventory by half.

QUICKTRONIC 32 ISN-SC-UNV 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 32 ISN-SC-UNV electronic ballasts have very low harmonic distortion (<10% THD) for high system performance.

Ballast operates 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 (2-lamp)	Input Wattage	Initial Lumens	System LPW	Mean Lumens	Energy Savings
F40T12 - Std. Magnetic Ballast	96	5795	60	4930	Baseline
E.S. Magnetic Ballast	86	5795	67	4930	10%
F34T12 - Std. Magnetic Ballast	82	4750	58	3960	15%
E.S. Magnetic Ballast	72	4750	66	3960	25%
F032/XP - QTP2x32T8/UNV-ISN-SC	59	5280	89	5015	39%
F028/SS - QTP2x32T8/UNV-ISN-SC	52	4800	92	4560	46%

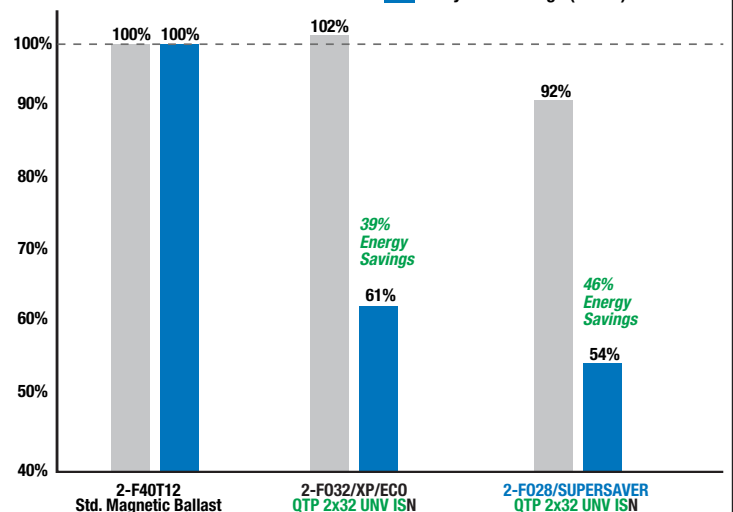
## Application Information

### SYLVANIA QUICKTRONIC 32 UNV

is ideally suited for:

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

■ % Relative Light Output (Mean Lumens)  
■ % System Wattage (Power)



ECS070

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# Normal Ballast Factor T8 Instant Start UNV VOLTAGE

## <10% THD Electronic T8 Fluorescent 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)
49941	QTP1x32T8/UNV ISN-SC	120-277	0.26/0.11	F032/XP	3000	1	0.88	2640	30	88
			0.25/0.11	F030/SS	2850	1	0.88	2510	28	90
			<b>0.23/0.10</b>	<b>F028/SS</b>	<b>2725</b>	<b>1</b>	<b>0.88</b>	<b>2400</b>	<b>26</b>	<b>91</b>
			0.20/0.09	F025/SS	2475	1	0.88	2180	23	95
49943	QTP2x32T8/UNV ISN-SC	120-277	0.50/0.21	F032/XP	3000	2	0.88	5280	59	89
			0.46/0.20	F030/SS	2850	2	0.88	5015	55	91
			<b>0.43/0.19</b>	<b>F028/SS</b>	<b>2725</b>	<b>2</b>	<b>0.88</b>	<b>4800</b>	<b>52</b>	<b>92</b>
			0.39/0.16	F025/SS	2475	2	0.88	4360	46	95
49945	QTP3x32T8/UNV ISN-SC	120-277	0.75/0.32	F032/XP	3000	3	0.88	7920	86	92
			0.69/0.30	F030/SS	2850	3	0.88	7520	81	93
			<b>0.65/0.28</b>	<b>F028/SS</b>	<b>2725</b>	<b>3</b>	<b>0.88</b>	<b>7190</b>	<b>76</b>	<b>95</b>
			0.58/0.25	F025/SS	2475	3	0.88	6530	67	98
49947	QTP4x32T8/UNV ISN-SC	120-277	0.95/0.40	F032/XP	3000	4	0.88	10560	112	94
			0.91/0.39	F030/SS	2850	4	0.88	10030	105	96
			<b>0.85/0.37</b>	<b>F028/SS</b>	<b>2725</b>	<b>4</b>	<b>0.88</b>	<b>9590</b>	<b>98</b>	<b>98</b>
			0.74/0.31	F025/SS	2475	4	0.88	8710	87	100

Products listed above are 10 packs.

### New 10 Pack Banded Product replaces Shrink-wrapped Product

49905 QTP1x32T8/UNV-ISN-SC-B replaces 49901 QTP1x32T8/UNV-ISN-SC-SRNK  
 49906 QTP2x32T8/UNV-ISN-SC-B replaces 49902 QTP2x32T8/UNV-ISN-SC-SRNK  
 49907 QTP3x32T8/UNV-ISN-SC-B replaces 49903 QTP3x32T8/UNV-ISN-SC-SRNK  
 49908 QTP4x32T8/UNV-ISN-SC-B replaces 49904 QTP4x32T8/UNV-ISN-SC-SRNK

### 840 PC Pallet Packs

49942 QTP1x32T8/UNV-ISN-SC-PAL 49944 QTP2x32T8/UNV-ISN-SC-PAL  
 49946 QTP3x32T8/UNV-ISN-SC-PAL 49948 QTP4x32T8/UNV-ISN-SC-PAL

## Performance Guide

Data shown based upon SYLVANIA OCTRON® FO32/XP™ lamp(s). QUICKTRONIC® 32ISN-SC is 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.

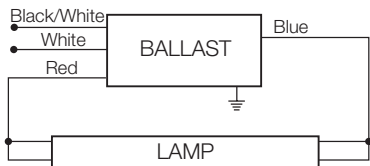
## Specifications<sup>1</sup>

**Starting Method:** Instant Start  
**Ballast Factor:** 0.88  
**Circuit Type:** Parallel  
**Lamp Frequency:** > 40KHz  
**Lamp CCF:** Less than 1.7  
**Starting Temp:** <sup>1</sup>

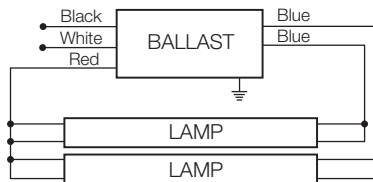
-20°F for OCTRON® T8 lamps;  
 60°F for SUPERSAVER® T8 lamps  
 0°F for FO40T8

**Input Frequency:** 50/60 Hz  
**Low THD:** < 10%  
**Power Factor:** > 98%  
**Voltage Range:** 108-305V  
 UL Listed Class P, Type 1 Outdoor  
 CSA Certified (where applicable)  
 70°C Max Case Temperature  
 75°C Max Case Temp. (4 lamp model)  
 FCC 47CFR Part 18 Non-Consumer  
 Class A Sound Rating  
 ANSI C62.41 Cat. A Transient Protection  
 Remote Mounting up to 20 feet <sup>1</sup>

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

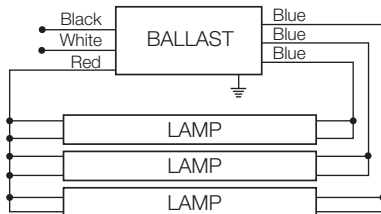


QUICKTRONIC 1x32



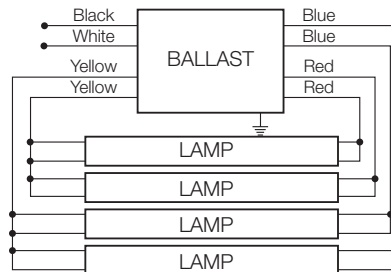
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

QUICKTRONIC 2x32



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

QUICKTRONIC 3x32

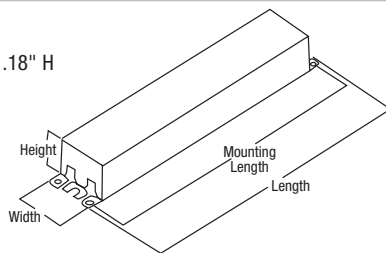


Note: For three lamp application, cap any unused blue lead. Insulate to 600 volts.

QUICKTRONIC 4x32

### Dimensions:

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



### Packaging:

Quantity: 10 pieces/840 pieces  
 Weight: 1.6 lbs each (approx)

### Wiring:

Leads only (no connectors provided)

## 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 ———— **49945 QTP 3 x 32T8 / UNV ISN-SC** ———— Case Size  
 QUICKTRONIC PROFESSIONAL ———— Starting/Ballast Factor  
 Number of Lamps ———— Line Voltage (120-277V)  
 Primary Lamp Wattage