

QUICKTRONIC® T8 Instant Start UNIVERSAL VOLTAGE

High Efficiency Series

High Ballast Factor

Lamp/Ballast Guide

32W T8 - OCTRON®

- 1-lamp QHE1x32T8/UNV ISH-SC
- 2-lamp QHE2x32T8/UNV ISH-SC
- 3-lamp QHE3x32T8/UNV ISH-SC
- 4-lamp QHE4x32T8/UNV ISH

Also operates:

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

Key System Features

- High Efficiency Systems over 90% efficient
- Over 100 LPW (lumens/watt) with OCTRON SUPERSAVER® lamps
- Lowest power T8 PLUS Systems
- Universal voltage (120-277)
- 1.15-1.20 ballast factor
- 30-50% 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

Application Information

SYLVANIA QUICKTRONIC High Efficiency

is ideally suited for:

- Any applications where the highest light output for the lowest amount of power T8 systems are needed for maximum energy savings
- High bay lighting
- Energy Retrofits
- Commercial & Retail
- Hospitality & Institutional
- New Construction

SYLVANIA QUICKTRONIC

High Efficiency (QHE) energy-saving electronic T8 ISH (PLUS) ballasts save up to 6% (up to 4 watts) over standard T8 ISH ballasts without compromising light output or lamp life. The added energy savings also provides for a quicker payback. QHE ballasts also meet the most demanding utility rebate standards.

High light output and multi-lamp capability for up to four 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.

SYLVANIA QUICKTRONIC High

Efficiency (QHE) operates OCTRON T8 lamps with maximum efficacy and high lumen output, and provides **30-50% energy savings** when compared to F40T12 magnetic systems.

System Information

SYLVANIA QUICKTRONIC

High Efficiency (QHE) operates from 120V through 277V, eliminating "wrong voltage" wiring errors and reducing the number of models in inventory by half.

SYLVANIA QUICKTRONIC

High Efficiency (QHE) 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.

SYLVANIA QUICKTRONIC

High Efficiency (QHE) electronic ballasts have very low harmonic distortion (<10% THD) for high system performance.

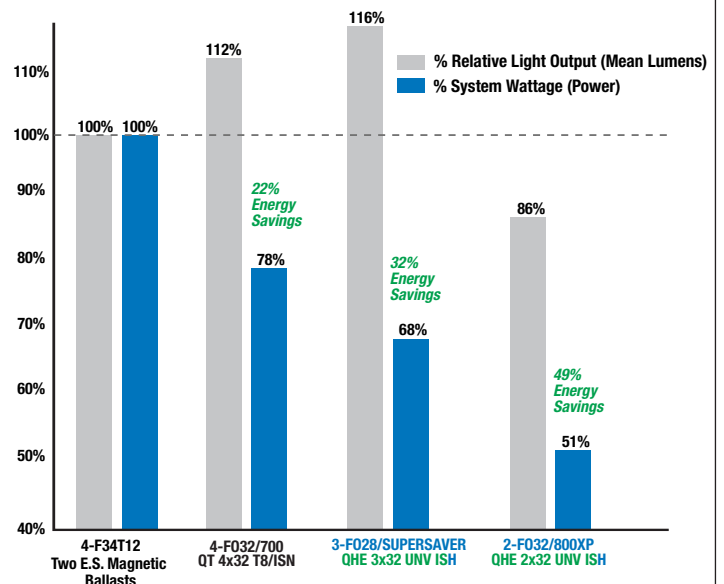
Ballast operates at >42kHz to reduce potential interference with infrared control systems.



SYLVANIA QUICKTRONIC High Efficiency (QHE) is also covered by our QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

This product is also offered in new banded packaging and pallet packs.

System Type	Input Wattage	Initial Lumens	System LPW	Mean Lumens	Energy Savings
4:F34T12 - Two E.S. Magnetic Ballasts	144	9330	65	7930	Baseline
4:F032T8/700 - QTP4x32T8/UNV-ISN-SC	112	9860	89	8870	22%
3:F032/XP - QHE3x32T8/UNV-ISH-SC	111/109	10620	96/97	10000	23%
3:F028/SS - QHE3x32T8/UNV-ISH-SC	98/96	9650	98/101	9170	32%
2:F032/XP - QHE2x32T8/UNV-ISH-SC	74/73	7200	97/99	6800	49%
2:F028/SS - QHE2x32T8/UNV-ISH-SC	65/64	6540	101/102	6200	55%



ECS058R2

SEE THE WORLD IN A NEW LIGHT



High Ballast Factor T8 Instant Start UNV VOLTAGE High Efficiency Systems

<10% THD High Efficiency Electronic T8 Fluorescent PLUS Systems

Item Number	OSRAM SYLVANIA 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)
49871	QHE 1X32T8/UNV ISH-SC	120-277	0.32/0.14	F032/XP	3000	1	1.20	3600	38	95
			0.30/0.13	F030SS	2850	1	1.20	3420	36	95
			0.27/0.12	F028SS	2725	1	1.20	3270	33	99
			0.26/0.12	F025/SS	2475	1	1.20	2970	30	99
49873	QHE 2X32T8/UNV ISH-SC	120-277	0.65/0.28	F032/XP	3000	2	1.20	7200	74/73	97/99
			0.59/0.25	F030SS	2850	2	1.20	6840	70/69	98/99
			0.55/0.23	F028SS	2725	2	1.20	6540	65/64	101/102
			0.50/0.22	F025/SS	2475	2	1.20	5940	58/57	102/104
49875	QHE 3X32T8/UNV ISH-SC	120-277	0.93/0.40	F032/XP	3000	3	1.18	10620	111/109	96/97
			0.87/0.38	F030SS	2850	3	1.18	10090	104/103	97/98
			0.82/0.35	F028SS	2725	3	1.18	9650	98/96	98/101
			0.72/0.31	F025/SS	2475	3	1.18	8760	87/86	101/102
49877	QHE 4X32T8/UNV ISH	120-277	1.21/0.52	F032/XP	3000	4	1.15	13800	144/141	96/98
			1.13/0.49	F030SS	2850	4	1.15	13110	135/133	97/99
			1.06/0.46	F028SS	2725	4	1.15	12535	127/124	99/101
			0.94/0.41	F025/SS	2475	4	1.15	11385	112/111	102/103

☉ New Product, contact OSRAM SYLVANIA for product availability.

Products listed above are 10 packs.

Pallet Packs	Qty	Qty	10 PC Banded Packs
49872 QHE1x32T8/UNV-ISH-SC-PAL	840	49874 QHE2x32T8/UNV-ISH-SC-PAL	840
49876 QHE3x32T8/UNV-ISH-SC-PAL	840	49878 QHE4x32T8/UNV-ISH-PAL	500
		☉ 49919 QHE1x32T8/UNV-ISH-SC-B	☉ 49920 QHE2x32T8/UNV-ISH-SC-B
		☉ 49921 QHE3x32T8/UNV-ISH-SC-B	☉ 49922 QHE4x32T8/UNV-ISH-B

Performance Guide

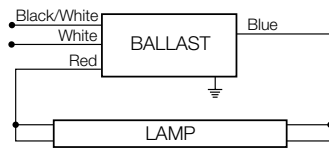
Data based upon SYLVANIA OCTRON® XP™ lamps shown. QUICKTRONIC QHE Instant Start ballasts are also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

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

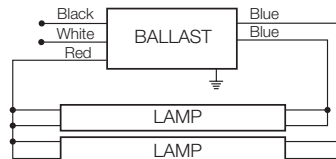
Specifications¹

Starting Method: Instant Start
Ballast Factor: 1.15/1.20
Circuit Type: Parallel
Lamp Frequency: > 40KHz
Lamp CCF: Less than 1.7
Starting Temp:¹
 -20°F for OCTRON T8 lamps;
 60°F for SUPERSAVER® T8 lamps
Input Frequency: 50/60 Hz
Low THD: < 10%
Power Factor: > 98%
Voltage Range: +/- 10% of 120-277 rated line (108-305V)
 UL Listed Class P, Type 1 Outdoor
 CSA Certified (where applicable)
 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 20 feet¹

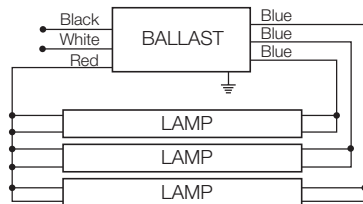
¹ Operation below 50°F may affect light output or lamp operation – see "Low Temp. Starting" definition.



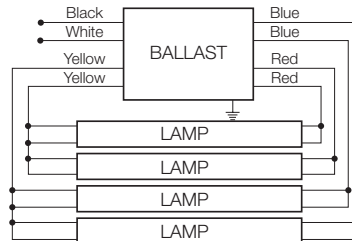
QUICKTRONIC 1x32



QUICKTRONIC 2x32



QUICKTRONIC 3x32



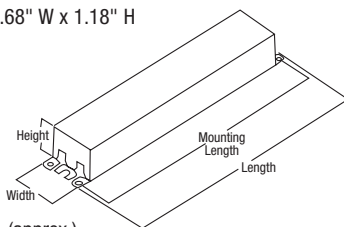
QUICKTRONIC 4x32

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.)

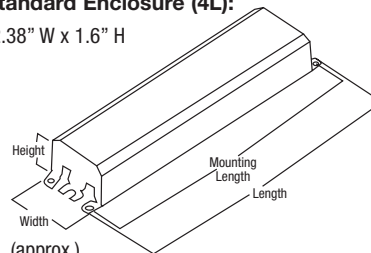


Dimensions Standard Enclosure (4L):

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	49875 QHE 3 x 32T8 / UNV ISH-SC	Case Size
QUICKTRONIC High Efficiency		Starting/Ballast Factor
Number of Lamps		Line Voltage (120-277V)
		Primary Lamp Wattage