

QUICKTRONIC® T8 Instant Start UNIVERSAL VOLTAGE

High Efficiency Series

Low Ballast Factor

Lamp/Ballast Guide

32W T8 - OCTRON®

QHE ISL SC Models

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

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

High Efficiency (QHE) energy-saving electronic T8 ballasts save up to 6% over standard electronic 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.

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.

Small can enclosure allows for low profile fixture design. Small size also provides transportation, inventory and ergonomic benefits.

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



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.

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

Key System Features

- **High Efficiency Systems** over 90% efficient
- **Over 100 LPW (lumens/watt)** with OCTRON SUPERSAVER® lamps
- **Lowest power T8 I.S. Systems**
- **Universal voltage (120-277)**
- **Small Can enclosure size**
- **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**

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.

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

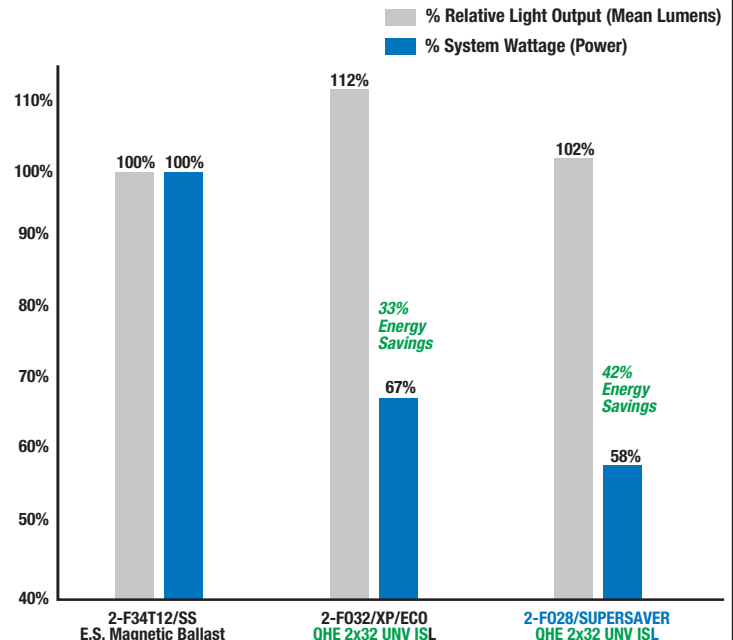
System Type (2-lamp)	Input Wattage	Initial Lumens	System LPW	Mean Lumens	Energy Savings
F34T12 - E.S. Magnetic Ballast	72	4660	65	3960	Baseline
F032/XP - QHE2x32T8/UNV ISL-SC	48	4680	98	4445	33%
F028/SS - QHE2x32T8/UNV ISL-SC	42	4250	101	4040	42%

Application Information

SYLVANIA QUICKTRONIC

High Efficiency is ideally suited for:

- Any applications where the lowest power T8 systems are needed for **maximum energy savings**
- Energy Retrofits
- Commercial & Retail
- Hospitality & Institutional
- New Construction



Low Ballast Factor T8 Instant Start UNV VOLTAGE High Efficiency Systems

<10% THD High Efficiency Electronic T8 Fluorescent Systems (Low Ballast Factor)

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)
49861	QHE 1X32T8/UNV ISL-SC	120-277	0.21/0.09	F032/XP	3000	1	0.78	2340	25	94
			0.20/0.09	F030/SS	2850	1	0.78	2220	24	93
			0.19/0.08	F028/SS	2725	1	0.78	2125	22	97
			0.17/0.08	F025/SS	2475	1	0.78	1930	20	97
49863	QHE 2X32T8/UNV ISL-SC	120-277	0.41/0.18	F032/XP	3000	2	0.78	4680	48	98
			0.38/0.16	F030/SS	2850	2	0.78	4445	45	99
			0.35/0.15	F028/SS	2725	2	0.78	4250	42	101
			0.32/0.14	F025/SS	2475	2	0.78	3860	37	104
49865	QHE 3X32T8/UNV ISL-SC	120-277	0.61/0.27	F032/XP	3000	3	0.78	7020	71	99
			0.58/0.25	F030/SS	2850	3	0.78	6670	68	98
			0.53/0.23	F028/SS	2725	3	0.78	6380	63	101
			0.48/0.21	F025/SS	2475	3	0.78	5790	55	105
49867	QHE 4X32T8/UNV ISL-SC	120-277	0.80/0.35	F032/XP	3000	4	0.78	9360	95	99
			0.75/0.32	F030/SS	2850	4	0.78	8890	89	100
			0.71/0.31	F028/SS	2725	4	0.78	8500	84	101
			0.62/0.27	F025/SS	2475	4	0.78	7720	74	104

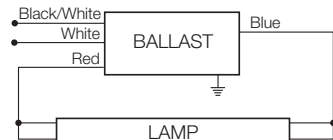
Products listed above are 10 packs.

840 PC Pallet Packs

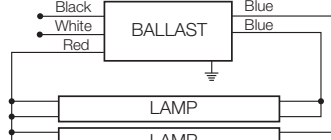
49862 QHE1x32T8/UNV-ISL-SC-PAL 49864 QHE2x32T8/UNV-ISL-SC-PAL
49866 QHE3x32T8/UNV-ISL-SC-PAL 49868 QHE4x32T8/UNV-ISL-SC-PAL

10 PC Banded Packs

49837 QHE1x32T8/UNV-ISL-SC-B 49838 QHE2x32T8/UNV-ISL-SC-B
49839 QHE3x32T8/UNV-ISL-SC-B 49840 QHE4x32T8/UNV-ISL-SC-B

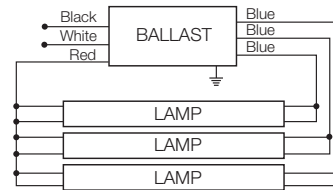


QUICKTRONIC 1x32



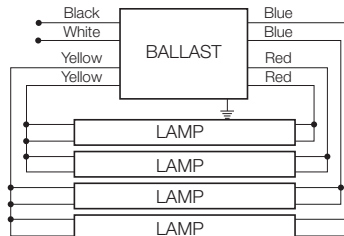
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

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:

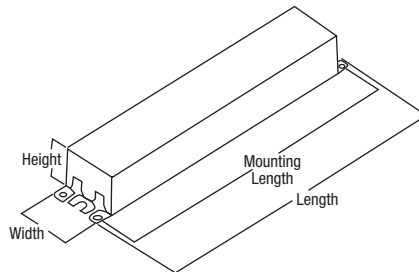
Overall: 9.5" L x 1.68" W x 1.18" H
Mounting: 8.90"

Packaging:

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

Wiring:

Leads only (no connectors provided)



Item Number ——— **49863 QHE 2 x 32T8 / UNV ISL-SC** ——— Case Size
QUICKTRONIC High Efficiency ——— Starting/Ballast Factor
Number of Lamps ——— Line Voltage (120-277V)
Primary Lamp Wattage

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 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.

Specifications¹

Starting Method: Instant Start

Ballast Factor: 0.78

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
0°F for F040T8

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
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.

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.