

QUICKTRONIC® T8 Instant Start UNIVERSAL VOLTAGE

High Efficiency Series

Normal Ballast Factor

Lamp/Ballast Guide

32W T8 - OCTRON®

QHE ISN 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 **30-44% 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.

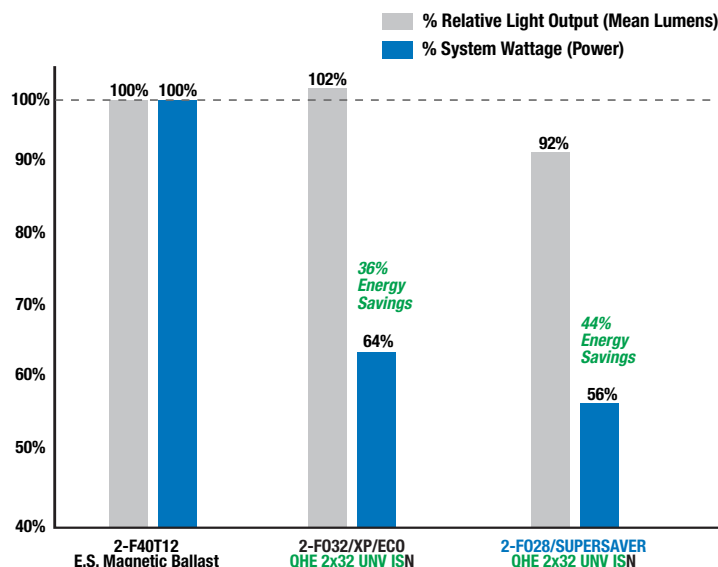
System Type (2-lamp)	Input Wattage	Initial Lumens	System LPW	Mean Lumens	Energy Savings
F40T12 - E.S. Magnetic Ballast	86	5795	67	4930	Baseline
F34T12 - E.S. Magnetic Ballast	72	4660	65	3960	16%
F032/XP - QHE2x32T8/UNV ISN-SC	55	5280	96	5015	36%
F028/SS - QHE2x32T8/UNV ISN-SC	48	4800	100	4560	44%

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



ECS066R1

SEE THE WORLD IN A NEW LIGHT



Normal Ballast Factor T8 Instant Start UNV VOLTAGE High Efficiency Systems

<10% THD **High Efficiency** Electronic T8 Fluorescent Systems (Normal 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)
49851	QHE 1X32T8/UNV ISN-SC	120-277	0.25/0.11	F032/XP	3000	1	0.88	2640	28	94
			0.22/0.09	F030/SS	2850	1	0.88	2510	26	97
			0.21/0.09	F028/SS	2725	1	0.88	2400	25	96
			0.19/0.09	F025/SS	2475	1	0.88	2175	22	99
49853	QHE 2X32T8/UNV ISN-SC	120-277	0.47/0.20	F032/XP	3000	2	0.88	5280	55	96
			0.44/0.19	F030/SS	2850	2	0.88	5015	52	96
			0.40/0.18	F028/SS	2725	2	0.88	4800	48	100
			0.36/0.16	F025/SS	2475	2	0.88	4355	43	101
49855	QHE 3X32T8/UNV ISN-SC	120-277	0.69/0.30	F032/XP	3000	3	0.88	7920	83/82	95/97
			0.66/0.28	F030/SS	2850	3	0.88	7525	78/77	96/98
			0.61/0.26	F028/SS	2725	3	0.88	7195	72	100
			0.55/0.23	F025/SS	2475	3	0.88	6530	65/64	101/102
49857	QHE 4X32T8/UNV ISN-SC	120-277	0.91/0.39	F032/XP	3000	4	0.88	10560	108/107	98/99
			0.86/0.37	F030/SS	2850	4	0.88	10030	102/101	98/99
			0.80/0.35	F028/SS	2725	4	0.88	9590	95	101
			0.71/0.30	F025/SS	2475	4	0.88	8710	84/83	104/105

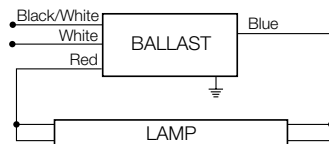
Products listed above are 10 packs.

840 PC Pallet Packs

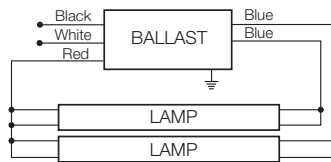
49852 QHE1x32T8/UNV-ISC-PAL 49854 QHE2x32T8/UNV-ISC-PAL
49856 QHE3x32T8/UNV-ISC-PAL 49858 QHE4x32T8/UNV-ISC-PAL

10 PC Banded Packs

49968 QHE1x32T8/UNV-ISC-B 49969 QHE2x32T8/UNV-ISC-B
49970 QHE3x32T8/UNV-ISC-B 49971 QHE4x32T8/UNV-ISC-B

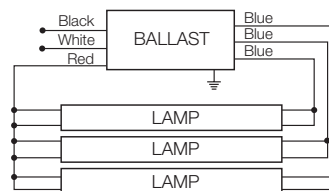


QUICKTRONIC 1x32



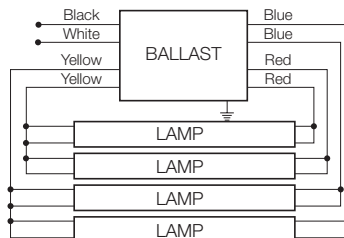
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

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

Specifications¹

Starting Method: Instant Start

Ballast Factor: 0.88

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.

Dimensions:

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

Mounting: 8.90"

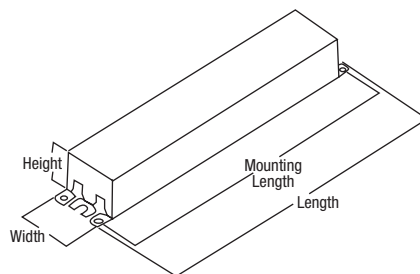
Packaging:

Quantity: 10 pieces/840 pieces

Weight: 1.6 lbs each (approx)

Wiring:

Leads only (no connectors provided)



Item Number	49855 QHE 3 x 32T8 / UNV ISN-SC	Case Size
QUICKTRONIC High Efficiency		Starting/Ballast Factor
Number of Lamps		Line Voltage (120-277V)
		Primary Lamp Wattage