

<10% THD Electronic T8 Fluorescent Systems

QUICKTRONIC® T8 Instant Start UNIVERSAL VOLTAGE

High Efficiency Series

Normal & Low Ballast Factor Models

Lamp/Ballast Guide

32W T8 - OCTRON®
QHE ISN and 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,
 FBO30/SS (30W Lamps) &
 FO28/SS (28W Lamp)

F40T8 operation:
 1 lamp on 2L ballast
 2 lamps on 3L ballast
 3 lamps on 4L ballast

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
- 88% & 78% ballast factor models
- 30-50% Energy savings
- 0°F (-18°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER lamps
- <10% THD
- Virtually eliminates lamp flicker
- High power factor
- Low harmonic distortion
- Lightweight
- UL, CSA, FCC

Application Information

SYLVANIA QUICKTRONIC High Efficiency

is ideally suited for:

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

SYLVANIA QUICKTRONIC High Efficiency (QHE) energy-saving electronic T8 ballasts save 6% (2 to 7 watts) 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.



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.

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.

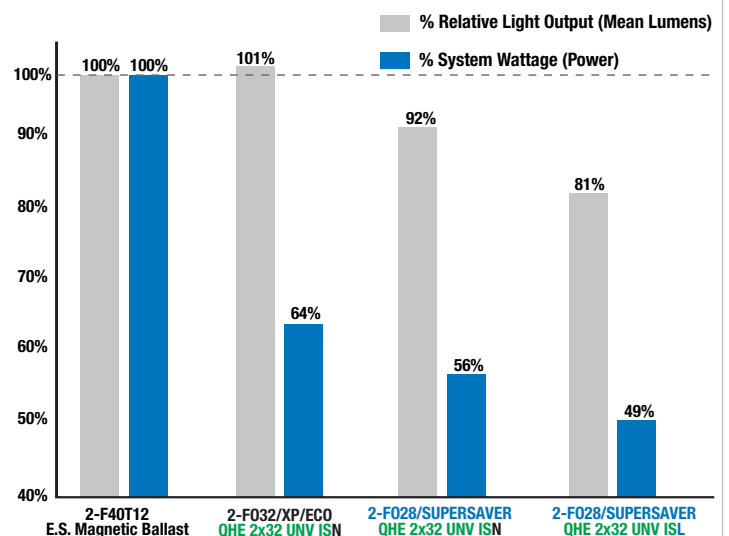
SYLVANIA QUICKTRONIC High Efficiency (QHE) uses instant start operation to provide the highest system efficacy and to assure low temperature starting capability. Instant start also provides for maximum remote wiring distances.

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	4985	Baseline
F34T12 - E.S. Magnetic Ballast	72	4750	66	4085	16%
F032/XP - QHE2x32T8/UNV ISN-SC	55	5280	96	5015	36%
F028/SS - QHE2x32T8/UNV ISN-SC	48	4800	100	4560	44%
F032/XP - QHE2x32T8/UNV ISL-SC	48	4680	98	4445	44%
F028/SS - QHE2x32T8/UNV ISL-SC	42	4250	101	4040	51%



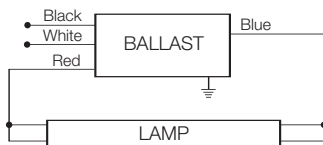
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T8 InstantStart UNIV VOLTAGE High Efficiency Systems

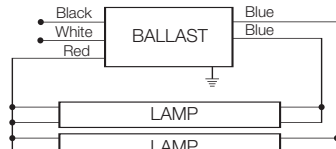
<10% THD High Efficiency Electronic T8 Fluorescent Systems (Normal & Low B.F.)

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)
QUICKTRONIC® High Efficiency Normal Ballast Factor (0.88)										
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
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
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
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

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)
QUICKTRONIC® High Efficiency Low Ballast Factor (0.78)										
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
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
49865	QHE 3X32T8/UNV ISL-SC	120-277	0.61/0.27	F032/XP	3000	3	0.78	7020	73	96
			0.58/0.25	F030/SS	2850	3	0.78	6670	69	97
			0.53/0.23	F028/SS	2725	3	0.78	6380	63	101
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

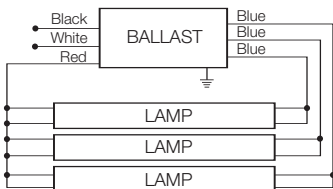


QUICKTRONIC 1x32



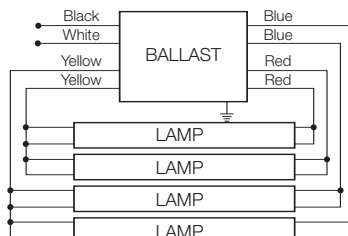
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

QUICKTRONIC 2x32



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

QUICKTRONIC 3x32

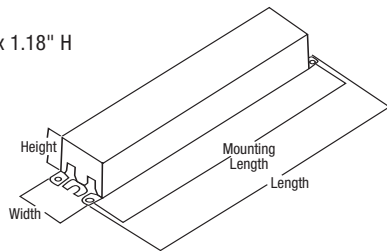


Note: For three lamp application, cap any unused blue lead. Insulate to 600 volts.

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 ——— 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

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:** 0.88/0.78
- Circuit Type:** Parallel
- Lamp Frequency:** > 40KHz
- Lamp CCF:** Less than 1.7
- Starting Temp.:**¹
 - 0°F for OCTRON T8 lamps;
 - 60°F for SUPERSAVER® T8 lamps

- 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 18 feet

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.

- Pallet Packs (840 pcs.)
- 49852 QHE 1x32T8/UNV ISN-SC
 - 49854 QHE 2x32T8/UNV ISN-SC
 - 49856 QHE 3x32T8/UNV ISN-SC
 - 49858 QHE 4x32T8/UNV ISN-SC
 - 49862 QHE 1x32T8/UNV ISL-SC
 - 49864 QHE 2x32T8/UNV ISL-SC
 - 49866 QHE 3x32T8/UNV ISL-SC
 - 49868 QHE 4x32T8/UNV ISL-SC

Available from www.goodmart.com or 877-402-6100

the system solution®