

QUICKTRONIC® T8 Instant Start 347 Volt – Canada

**Low & Normal
Ballast Factor Models**

High Efficiency Series

CANADA QHE
T8 347

Lamp / Ballast Guide

32W T8 - OCTRON® lamps
QHE ISN and ISL SC Models

- 1-lamp QHE1x32T8/347
- 2-lamp QHE2x32T8/347
- 3-lamp QHE3x32T8/347
- 4-lamp QHE4x32T8/347

Also operates:

FBO32, FBO31, F025, FBO24, F017, FBO16, F030/SS, FBO30/SS (30W), FBO29/SS (29W), F028/SS (28W) & F025/SS (25W)

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
- Up to 105 LPW (lumens/watt) with OCTRON SUPERSAVER® lamps
- Lowest power T8 I.S. Systems
- Small can enclosure size
- 30-50% Energy savings
- Min. Starting Temp:
 - 20°F (-29°C) for T8 lamps
 - 60°F (16°C) for Energy Saving T8 lamps
 - 0°F (-18°C) for F040T8 lamps
- <10% THD
- Virtually eliminates lamp flicker
- RoHS compliant
- Lead-free solder, printed circuit board and manufacturing process

Application Information

QUICKTRONIC High Efficiency ballasts are 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

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.

QUICKTRONIC High Efficiency (QHE)

ballasts operate 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.

These ballasts are also RoHS compliant and feature lead-free solder, printed circuit boards and manufacturing process.

System Information

QUICKTRONIC High Efficiency (QHE)

ballasts use 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 High Efficiency (QHE)

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

Ballast operates at >40kHz to reduce potential interference with infrared control systems.

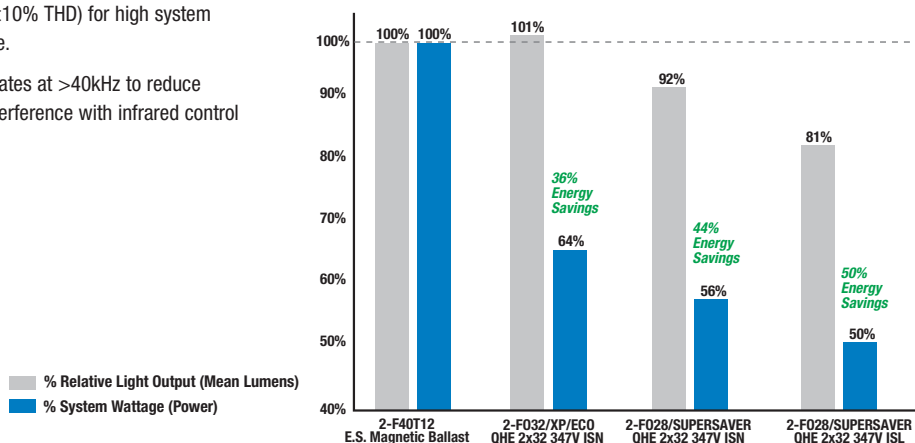


QUICKTRONIC High Efficiency (QHE)

systems are covered by the QUICK 60+® warranty, the first and most comprehensive lamp and ballast system warranty in the industry.

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

System Type (2-lamp)	Input Power (W)	Initial System Lumens	System Efficacy LPW	Mean System 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 - QHE2x32T8/347 ISN-SC	55	5280	96	4965	36%
F028/SS - QHE2x32T8/347 ISN-SC	48	4800	100	4510	44%
F032/XP - QHE2x32T8/347 ISL-SC	48	4680	98	4400	44%
F028/SS - QHE2x32T8/347 ISL-SC	43	4250	99	3995	50%



OSRAM

SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

High Efficiency Low & Normal Ballast Factor 347V

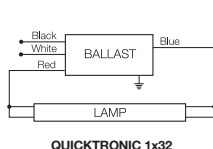


Item Number	Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF¹
QUICKTRONIC® High Efficiency Low Ballast Factor (0.78)											
49471	QHE1X32T8/347 ISL-SC	0.08	F032/700	2800	1	0.78	2185	1965	25	87	3.12
		0.08	F032/XP	3000	1	0.78	2340	2200	25	94	3.12
		0.07	F030/SS	2850	1	0.78	2220	2090	24	93	3.25
		0.07	F028/SS	2725	1	0.78	2125	2000	22	97	3.55
49473	QHE2X32T8/347 ISL-SC	0.14	F032/700	2800	2	0.78	4370	3930	48	91	1.63
		0.14	F032/XP	3000	2	0.78	4680	4400	48	98	1.63
		0.13	F030/SS	2850	2	0.78	4445	4180	46	97	1.70
		0.12	F028/SS	2725	2	0.78	4250	3995	43	99	1.81
49475	QHE3X32T8/347 ISL-SC	0.21	F032/700	2800	3	0.78	6550	5895	71	92	1.10
		0.21	F032/XP	3000	3	0.78	7020	6600	71	99	1.10
		0.20	F030/SS	2850	3	0.78	6670	6270	67	100	1.16
		0.18	F028/SS	2725	3	0.78	6380	5995	62	103	1.26
49477	QHE4X32T8/347 ISL-SC	0.28	F032/700	2800	4	0.78	8735	7860	96	91	0.81
		0.28	F032/XP	3000	4	0.78	9360	8800	96	98	0.81
		0.26	F030/SS	2850	4	0.78	8890	8360	90	99	0.87
		0.25	F028/SS	2725	4	0.78	8500	7990	84	101	0.93
		0.23	F025/SS	2475	4	0.78	7720	7260	74	104	1.05

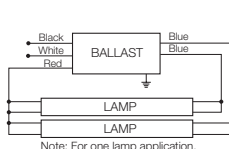
QUICKTRONIC® High Efficiency Normal Ballast Factor (0.88)

49461	QHE1X32T8/347 ISN-SC	0.08	F032/700	2800	1	0.88	2465	2220	28	88	3.14
		0.08	F032/XP	3000	1	0.88	2640	2480	28	94	3.14
		0.08	F030/SS	2850	1	0.88	2510	2360	27	93	3.26
		0.07	F028/SS	2725	1	0.88	2400	2255	25	96	3.52
49463	QHE2X32T8/347 ISN-SC	0.16	F032/700	2800	2	0.88	4925	4435	55	90	1.60
		0.16	F032/XP	3000	2	0.88	5280	4965	55	96	1.60
		0.15	F030/SS	2850	2	0.88	5015	4715	52	96	1.69
		0.14	F028/SS	2725	2	0.88	4800	4510	48	100	1.83
50064	QHE2X32347 ISN-SC G1 G1 compatible with LED T8	0.13	F025/SS	2475	2	0.88	4355	4095	43	101	2.05
		0.25	F032/700	2800	3	0.88	7390	6655	83	89	1.06
		0.25	F032/XP	3000	3	0.88	7920	7445	83	95	1.06
		0.24	F030/SS	2850	3	0.88	7525	7075	78	96	1.13
49465	QHE3X32T8/347 ISN-SC	0.22	F028/SS	2725	3	0.88	7195	6765	74	97	1.19
		0.20	F025/SS	2475	3	0.88	6530	6140	66	99	1.33
49467	QHE4X32T8/347 ISN-SC	0.33	F032/700	2800	4	0.88	9855	8870	109	90	0.81
		0.33	F032/XP	3000	4	0.88	10,560	9925	109	97	0.81
		0.31	F030/SS	2850	4	0.88	10,030	9430	103	97	0.85
		0.29	F028/SS	2725	4	0.88	9590	9015	97	99	0.91
50065	QHE4X32347 ISN-SC G1 G1 compatible with LED T8	0.26	F025/SS	2475	4	0.88	8710	8190	87	100	1.01

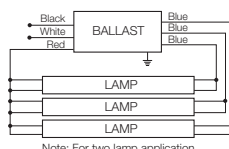
1 Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power.



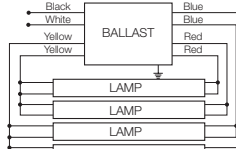
QUICKTRONIC 1x32



QUICKTRONIC 2x32
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.



QUICKTRONIC 3x32
Note: For two lamp application, cap any blue lead. Insulate to 600 volts.



QUICKTRONIC 4x32
Note: For three lamp application, cap any blue lead. Insulate to 600 volts.

No delamping is permitted on any SubstiTRONIC™ LED T8 System. In order to prevent premature ECG and lamp failures "do not hot re-lamp". Electrical power to the fixture must be turned off when installing or replacing fluorescent T8 lamps. Use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration.

Dimensions:

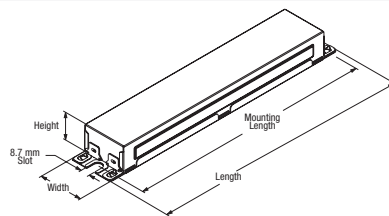
Overall: 9.5" L x 1.68" W x 1.18" H
Mounting: 8.90"

Packaging:

Quantity: 10-pack
Weight: 1.6 lbs each (approx.)

Wiring:

Leads only (no connectors provided)



Item Number ——— 49473 QHE 2 x 32T8 / 347 ISL - SC ——— Case Size
QUICKTRONIC High Efficiency ——— Starting/Ballast Factor
Number of Lamps ——— Line Voltage
Primary Lamp Wattage

Low & Normal BF

T8 Instant Start

High Efficiency

Performance Guide

Data based upon OCTRON® 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, F32, the U-Bend and Energy Saving equivalents.

Specifications

Data based on F32T8

Starting Method: Instant Start

Ballast Factor: 0.78 - 0.88

Circuit Type: Parallel

Lamp Frequency: >42 kHz

Lamp CCF: Less than 1.7

Starting Temp:²

-20°F (-29°C) for OCTRON T8 lamps;

60°F (16°C) for SUPERSAVER® T8 lamps

0°F (-18°C) for F040T8

Input Frequency: 50/60 Hz

Low THD: <10%

Power Factor: >98%

Voltage Range: ±10% of Rated Input

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

RoHS Compliant³

ANSI C62.41 Cat. A Transient Protection

GFCl compatible

Emergency ballast compatible

Remote Mounting (Max. wire length from ballast case to lampholder):

- 20 ft: full wattage T8s
- 10 ft: energy saving T8s
- 4 ft: 25W energy saving T8s
- No remote mounting is allowed for SubstiTRONIC LED T8 systems

2 Operation below 50°F (10°C) may affect light output or lamp operation – see "Low Temp. Starting" definition.

3 Complies with European Union Restriction of Hazardous Substances Directive (Directive EC 2002/95)

System Life / Warranty

QUICKTRONIC products are covered by the QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to the QUICK 60+ warranty bulletin.

Products distributed by LEDVANCE LLC.
Call 1-800-LIGHTBULB for Customer Service.

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