

QUICKTRONIC® T8 Instant Start Universal Voltage Systems

Lamp Striation Control
Normal Ballast Factor



Professional Series

QTP T8 ISN

Lamp / Ballast Guide

- 32W T8 – OCTRON® lamps**
- 1-lamp QTP1x32T8/UNV ISN-SC
 - 2-lamp QTP2x32T8/UNV ISN-SC
 - 3-lamp QTP3x32T8/UNV ISN-SC
 - 4-lamp QTP4x32T8/UNV ISN-SC

Also operates:

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

F040T8 operation:

- 1 lamp on 2L ballast, 2 lamps on 3L ballast, 3 lamps on 4L ballast

Key System Features

- Universal voltage (120-277V)
- Small can enclosure size
- Lamp Striation Control (LSC)
- 0.88 ballast factor
- 30-40% 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 and manufacturing process

Application Information

SYLVANIA QUICKTRONIC 32 UNV ballasts

are ideally suited for:

- Commercial
- Retail
- Hospitality
- Institutional
- New Construction
- Retrofit

SYLVANIA QUICKTRONIC Professional Series

products are typically used in OEM (original equipment manufacturers) standard fixtures and Trade/Distributor Basic stocked products for replacement.

SYLVANIA QUICKTRONIC SYSTEM 32 UNV

electronic T8 ballasts offer several advantages:

- 1. Operate OCTRON T8 lamps with maximum efficacy and high lumen output**
 - 30-40% energy savings when compared to F40T12 magnetically ballasted systems (see table below)
- 2. Parallel Circuitry:** keeps remaining lamps lit if one or more go out
- 3. Small Can Enclosure for:**
 - low profile fixture design
 - transportation, inventory and ergonomic benefits
- 4. Lamp Striation Control (LSC):** T8 energy saving lamps should be operated above 60°F, but under certain



conditions the lamps may striate. LSC circuitry may minimize or eliminate this condition; however there are limited applications where LSC circuitry may not entirely mitigate lamp striations

Setting the standard for quality, QUICKTRONIC T8 Instant Start 32 UNV-ISN systems are covered by the QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

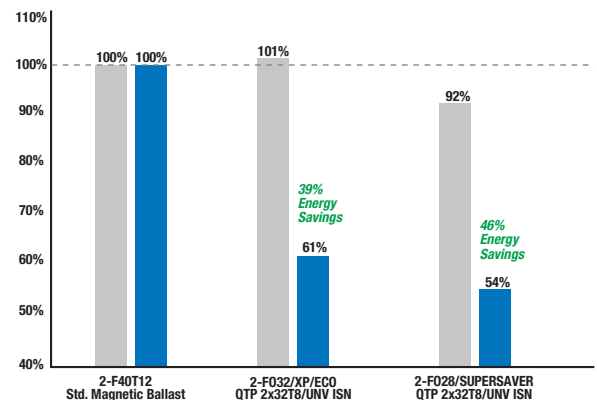
These ballasts are also RoHS compliant and feature lead-free solder and manufacturing process.

System Information

SYLVANIA QUICKTRONIC SYSTEM 32 (QTP) UNV system advantages:

- Operate from 120V through 277V
 - Eliminates “wrong voltage” errors
 - Reduces inventory by 50%
- Utilizes Instant Start operation for
 - Highest System Efficacy
 - Low temperature starting capability
- Very low harmonic distortion (<10%)THD
- Operate at >42 kHz to reduce potential interference with infrared control systems
- Customers should always consider upgrading to our **High Efficiency Systems** to maximize energy savings

System Type	Input Power (W)	Initial System Lumens	System Efficacy LPW	Mean System Lumens	Relative Mean Light Output	Energy Savings
F40T12 - Std. Magnetic Ballast	96	5795	60	4925	Baseline	Baseline
E.S. Magnetic Ballast	86	5795	67	4925	Baseline	10%
F34T12 - Std. Magnetic Ballast	82	4665	58	3965	81%	15%
E.S. Magnetic Ballast	72	4665	66	3965	81%	25%
F032/XP® - QTP2x32T8/UNV-ISN-SC	59	5280	89	4965	101%	39%
F028/SS - QTP2x32T8/UNV-ISN-SC	52	4795	92	4510	92%	46%



SPECIFICATION DATA

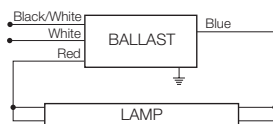
Catalog #	Date	Type
Project	Prepared by	
Comments		

Universal Voltage (120-277V), Lamp Striation Control

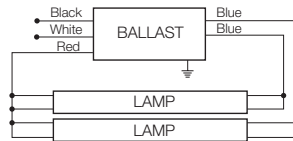


Item Number	OSRAM SYLVANIA Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF ¹
49905	QTP1x32T8/UNV ISN-SC Banded Pack	0.26/0.11	F032/700	2600	1	0.88	2290	2105	30	76	2.93
		0.26/0.11	F032/XP [®]	3000	1	0.88	2640	2480	30	88	2.93
		0.25/0.11	F030/SS	2850	1	0.88	2510	2360	28	90	3.14
		0.23/0.10	F028/SS	2725	1	0.88	2400	2255	26	91	3.38
49942	Pallet Pack	0.20/0.09	F025/SS	2475	1	0.88	2180	2050	23	95	3.83
49906	QTP2x32T8/UNV ISN-SC Banded Pack	0.50/0.21	F032/700	2600	2	0.88	4575	4205	59	78	1.49
		0.50/0.21	F032/XP	3000	2	0.88	5280	4965	59	89	1.49
		0.46/0.20	F030/SS	2850	2	0.88	5015	4715	55	91	1.60
		0.43/0.19	F028/SS	2725	2	0.88	4795	4510	52	92	1.69
49943	10-Pack	0.39/0.16	F025/SS	2475	2	0.88	4355	4095	46	95	1.91
49907	QTP3x32T8/UNV ISN-SC Banded Pack	0.72/0.31	F032/700	2600	3	0.88	6865	6310	86	80	1.02
		0.72/0.31	F032/XP	3000	3	0.88	7920	7445	86	92	1.02
		0.69/0.30	F030/SS	2850	3	0.88	7525	7075	81	93	1.09
		0.65/0.28	F028/SS	2725	3	0.88	7195	6760	76	95	1.16
49945	10-Pack	0.58/0.25	F025/SS	2475	3	0.88	6535	6140	67	98	1.31
49908	QTP4x32T8/UNV ISN-SC Banded Pack	0.95/0.40	F032/700	2600	4	0.88	9150	8415	112	82	0.79
		0.95/0.40	F032/XP	3000	4	0.88	10,560	9925	112	94	0.79
		0.91/0.39	F030/SS	2850	4	0.88	10,030	9430	105	96	0.84
		0.85/0.37	F028/SS	2725	4	0.88	9590	9015	98	98	0.90
49947	10-Pack	0.74/0.31	F025/SS	2475	4	0.88	8710	8190	88	99	1.00
49948	Pallet Pack										

Banded Pack, (add "B" to Description). Banded Pack and 10-Pack contain 10 pieces each. Pallet Pack contains 840 pieces, (add "PAL" to Description).
 1 Ballast Efficiency Factor (BEF) shown = (Ballast Factor X 100) divided by Input Power (Note: calculation based on lowest wattage value).

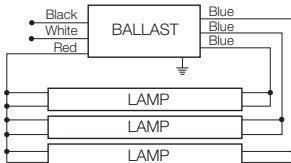


QUICKTRONIC 1x32



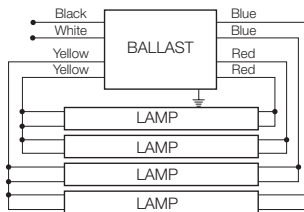
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

QUICKTRONIC 2x32



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

QUICKTRONIC 3x32



Note: For three lamp application, cap any unused blue lead. For two lamp application, cap two blue leads individually. For one lamp application, cap two blue leads, one red and one yellow lead individually. Insulate to 600 volts.

QUICKTRONIC 4x32

Dimensions:

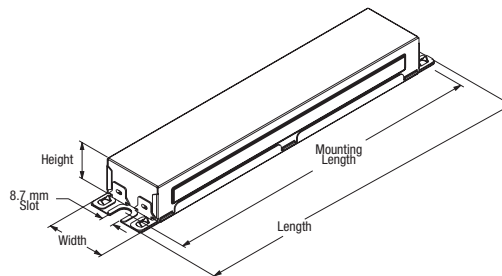
Overall: 9.5" L x 1.68" W x 1.18" H
 Mounting: 8.90"

Product Weight:

1.6 lbs each (approx.)

Wiring:

Leads only (no connectors provided)



Item Number	49907	QTP 3 x 32T8 / UNV ISN - SC	Case Size
QUICKTRONIC PROFESSIONAL			Starting/Ballast Factor
Number of Lamps			Line Voltage (120-277V)
			Primary Lamp Wattage

Normal Ballast Factor

T8 Instant Start

Professional Series

Performance Guide

Data based upon SYLVANIA OCTRON[®] lamps shown. QUICKTRONIC[®] 32ISN-SC is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

All models will also operate F17, F25 and F32 (and the SUPERSAVER & U-Bend equivalent) T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Ballast Technology & Specification Guide.

Specifications

Data based on F32T8

Starting Method: Instant Start

Ballast Factor: 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 120-277V rated line (108-305V)

UL Listed Class P, Type 1 Outdoor

CSA Certified

70°C Max Case Temperature

75°C Max Case Temp. (4-lamp model)

FCC 47CFR Part 18 Non-Consumer

Class A Sound Rating

RoHS Compliant³

ANSI C62.41 Cat. A Transient Protection

GFCI 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

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.

OSRAM SYLVANIA
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 www.sylvania.com

Specifications subject to change without notice.