

QUICKTRONIC® T8 Instant Start

Universal Voltage Systems

Professional Series

Lamp Striation Control Low Ballast Factor



QTP T8 ISL

Lamp / Ballast Guide

32W T8 – OCTRON® lamps

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

Also operates:

FB032, FB031, F025, FB024, F017, FB016, F030/SS (30W), FB030/SS (30W), FB029/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
- 0.78 ballast factor
- 30-40% energy savings
- Lamp Striation Control (LSC)
- 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

QUICKTRONIC 32 UNV ballasts

are ideally suited for:

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

Lamp Striation Control (LSC)

- General lighting applications where energy saving T8 lamps may striate, particularly for the F25 energy saving T8 lamps

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

QUICKTRONIC SYSTEM 32 UNV ISL (LP) electronic T8 ballasts offer several advantages:

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

System Information

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

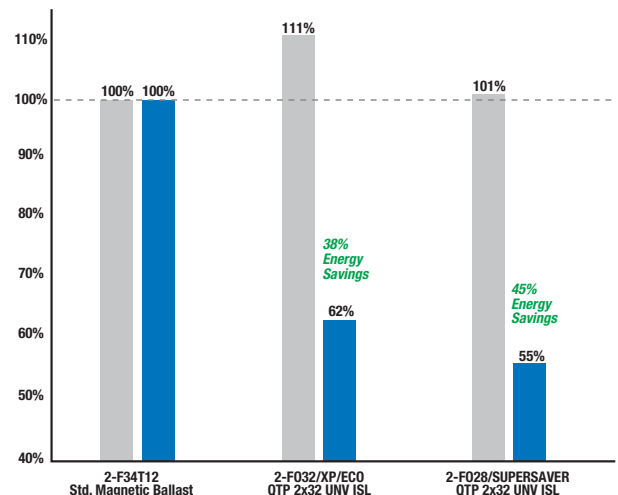


circuitry may minimize or eliminate this condition; however there are limited applications where LSC circuitry may not entirely mitigate lamp striations.

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

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

System Type	Input Power (W)	Initial System Lumens	System Efficacy LPW	Mean System Lumens	Relative Mean Light Output	Energy Savings
F34T12 - Std. Magnetic Ballast	82	4660	57	3960	Baseline	Baseline
E.S. Magnetic Ballast	72	4660	65	3960	Baseline	12%
F032/XP® - QTP2x32T8/UNV-ISL-SC	51	4680	92	4400	111%	38%
F028/SS - QTP2x32T8/UNV-ISL-SC	45	4250	94	3995	101%	45%



SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

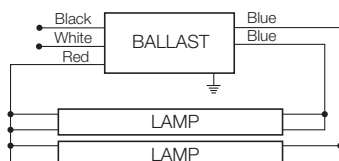
Universal Voltage Lamp Striation Control (120-277V)



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)	BEF ¹
49834 49743	QTP2x32T8/UNV ISL-SC Banded Pack 10-Pack	0.44/0.19	F032/700	2600	2	0.78	4055	3730	51	80	1.53
		0.44/0.19	F032/XP®	3000	2	0.78	4680	4400	51	92	1.53
		0.41/0.18	F030/SS	2850	2	0.78	4445	4180	48	93	1.63
		0.38/0.17	F028/SS	2725	2	0.78	4250	3995	45	94	1.73
		0.34/0.15	F025/SS	2475	2	0.78	3860	3630	40	97	1.95
49745	QTP3x32T8/UNV ISL-SC 10-Pack	0.65/0.27	F032/700	2600	3	0.78	6085	5595	75	81	1.04
		0.65/0.27	F032/XP	3000	3	0.78	7020	6600	75	94	1.04
		0.60/0.26	F030/SS	2850	3	0.78	6670	6270	71	94	1.10
		0.57/0.25	F028/SS	2725	3	0.78	6380	5995	67	95	1.16
		0.50/0.21	F025/SS	2475	3	0.78	5790	5445	59	98	1.32
49747	QTP4x32T8/UNV ISL-SC 10-Pack	0.80/0.35	F032/700	2600	4	0.78	8110	7455	98	83	0.80
		0.80/0.35	F032/XP	3000	4	0.78	9360	8800	98	96	0.80
		0.78/0.34	F030/SS	2850	4	0.78	8890	8360	92	97	0.85
		0.73/0.32	F028/SS	2725	4	0.78	8500	7990	86	99	0.91
		0.63/0.28	F025/SS	2475	4	0.78	7720	7260	77	100	1.01

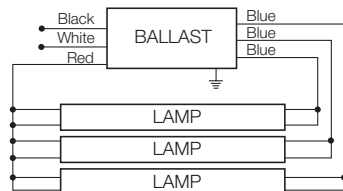
Banded Pack, (add "-B" to Description). Banded Pack and 10-Pack contain 10 pieces each.

¹ Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).



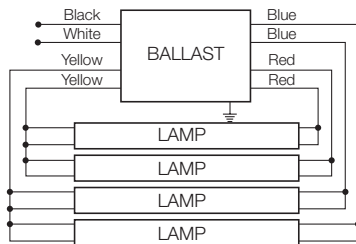
Note: For one lamp application, cap any blue lead.
Insulate to 600 volts.

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

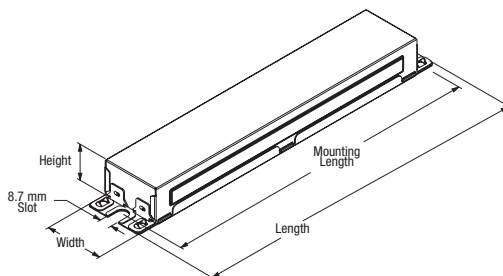
Mounting: 8.90"

Product Weight:

1.6 lbs each (approx.)

Wiring:

Leads only (no connectors provided)



Item Number: 49745 QTP 3 x 32T8 / UNV ISL - SC
 QUICKTRONIC PROFESSIONAL
 Number of Lamps: 3
 Case Size: 32T8
 Starting/Ballast Factor: UNV
 Line Voltage (120-277V): ISL
 Primary Lamp Wattage: SC

Low Ballast Factor

T8

Instant Start

Professional Series

Performance Guide

Data based upon SYLVANIA OCTRON® lamps shown. QUICKTRONIC® 32ISL-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.

Specifications

Data based on F32T8

Starting Method: Instant Start

Ballast Factor: 0.78

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 (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

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.

Products distributed by
LEDVANCE LLC.

For Customer Service contact
1-800-LIGHTBULB

Specifications subject to change without notice.

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QTP T8 ISL