

APPLICATION and PERFORMANCE SPECIFICATION

**Description:** High frequency electronic ballast for the following lamps:(1) F32T8, (1) F32T8ES-30W, (1) F32T8ES-25W, (1) F28T8, (1) F25T8, (1) F17T8, (1) F40T8, and equivalent U-shaped lamps.

- Line Voltage: 108vac - 305vac, 50/60Hz
- Parallel Lamp Operation
- \*60 Hz data
- Instant Start
- Active Power Factor Correction

Lamp		Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
Type	#								
F32T8	1	120	30	0.25	> .99	.88	2.93	< 10%	< 1.7
F32T8	1	277	30	0.11	> .98	.88	2.93	< 10%	< 1.7
F32T8ES (30W)	1	120	28	0.24	> .99	.88	3.14	< 10%	< 1.7
F32T8ES (30W)	1	277	28	0.10	> .98	.88	3.14	< 10%	< 1.7
F32T8ES (25W)	1	120	24	0.20	> .99	.88	3.67	< 10%	< 1.7
F32T8ES (25W)	1	277	24	0.09	> .98	.88	3.67	< 10%	< 1.7
F28T8	1	120	26	0.22	> .99	.88	3.38	< 10%	< 1.7
F28T8	1	277	26	0.10	> .98	.88	3.38	< 10%	< 1.7
F25T8	1	120	24	0.20	> .99	.88	3.67	< 10%	< 1.7
F25T8	1	277	24	0.09	> .98	.88	3.67	< 10%	< 1.7
F17T8	1	120	17	0.14	> .99	.90	5.29	< 10%	< 1.7
F17T8	1	277	18	0.07	> .96	.90	5.00	< 15%	< 1.7
F40T8	1	120	37	0.31	> .99	.86	2.32	< 10%	< 1.7
F40T8	1	277	36	0.13	> .99	.86	2.39	< 10%	< 1.7

Application and Performance Specification Information Subject to Change without Notification.

**Performance:**

- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI Non-Consumer Limits
- Anti-striation circuitry

**Safety:**

- No PCB's
- cUL<sub>US</sub> listed (Class P, Type 1 Outdoor, Type HL)

**Application:**

- Minimum Starting Temperature: 0 °F, -18 °C  
For ES & 28W Lamps: 60 °F, 16 °C  
For F40T8: 32 °F, 0 °C
- Maximum Ambient Temperature: 105° F, 40° C
- Sound Rated: A
- Remote Mounting: 18ft. max. lead length, 18 AWG
- No remote/tandem wiring for ES lamps

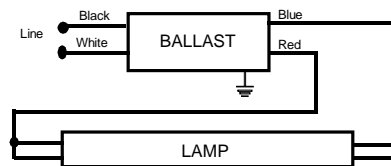
**Physical Parameters**

	<b>Inches</b>	<b>Metric</b>
• Mounting Length: (Center to Center)	8.9" +/- 0.01"	226 mm
• Overall Length:	9.5" +/- 0.01"	241.3 mm
• Width:	1.31" + 0.03"/- 0.02"	33.3 mm
• Height:	1.00" + 0.04"/- 0.01"	25.4 mm
• Weight:	.75 lbs	
• Lead Length:	Black, White 25" (+/-1") Red 48" (+/-1") Blue 31" (+/-1")	

**Warranty:**

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.

**Manufactured in North America**



ONE LAMP APPLICATION

**Ballast must be grounded in accordance with national and local electrical codes.**

