

APPLICATION and PERFORMANCE SPECIFICATION

**Description:** High frequency electronic ballast for (2/1) F32T8, (2/1) F32T8ES-30W, (2/1) F32T8ES-25W, (2/1) F25T8ES-22W (2/1) F28T8, (2/1) F25T8, (2/1) F17T8, (2/1) F15T8, (2/1) F11T8 and (1) F40T8. Also equivalent U-shaped lamps.

- Line Voltage: 108vac - 305vac, 50/60Hz
- Parallel Lamp Operation
- Also operates on 125VDC input, (+)L (-)N
- Instant Start
- Active Power Factor Correction

\*60 Hz data

Lamp		Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
Type	#								
F32T8	2	120	55	0.46	> .99	.88	1.60	< 10%	< 1.7
F32T8	2	277	53	0.19	> .99	.88	1.66	< 10%	< 1.7
F32T8	1	120	36	0.30	> .99	1.04	2.89	< 10%	< 1.7
F32T8	1	277	36	0.13	> .99	1.04	2.89	< 10%	< 1.7
F32T8ES (30W)	2	120	54	0.45	> .99	.88	1.63	< 10%	< 1.7
F32T8ES (30W)	2	277	52	0.19	> .99	.88	1.69	< 10%	< 1.7
F32T8ES (30W)	1	120	34	0.28	> .99	1.05	3.09	< 10%	< 1.7
F32T8ES (30W)	1	277	33	0.12	> .98	1.05	3.18	< 10%	< 1.7
F32T8ES (25W)	2	120	45	0.38	> .99	.89	1.98	< 10%	< 1.7
F32T8ES (25W)	2	277	44	0.16	> .99	.89	2.02	< 10%	< 1.7
F32T8ES (25W)	1	120	28	0.24	> .99	1.05	3.75	< 10%	< 1.7
F32T8ES (25W)	1	277	28	0.10	> .98	1.05	3.75	< 10%	< 1.7
F28T8	2	120	48	0.40	> .99	.88	1.83	< 10%	< 1.7
F28T8	2	277	47	0.17	> .99	.88	1.87	< 10%	< 1.7
F28T8	1	120	30	0.25	> .99	1.05	3.50	< 10%	< 1.7
F28T8	1	277	30	0.11	> .98	1.05	3.50	< 10%	< 1.7
F25T8	2	120	45	0.37	> .99	.90	2.00	< 10%	< 1.7
F25T8	2	277	44	0.16	> .99	.90	2.05	< 10%	< 1.7
F25T8	1	120	28	0.24	> .99	1.05	3.75	< 10%	< 1.7
F25T8	1	277	28	0.10	> .98	1.05	3.75	< 10%	< 1.7
F25T8ES (22W)	2	120	36.6	0.31	> .99	.89	2.43	< 10%	< 1.7
F25T8ES (22W)	2	277	36.15	0.13	> .99	.89	2.46	< 10%	< 1.7
F25T8ES (22W)	1	120	24	0.20	> .99	1.14	4.74	< 10%	< 1.7
F25T8ES (22W)	1	277	24	0.09	> .98	1.14	4.74	< 10%	< 1.7
F17T8	2	120	32	0.27	> .99	.89	2.78	< 10%	< 1.7
F17T8	2	277	32	0.12	> .98	.89	2.78	< 10%	< 1.7
F17T8	1	120	21	0.18	> .99	1.07	5.10	< 15%	< 1.7
F17T8	1	277	21	0.08	> .97	1.07	5.10	< 15%	< 1.7
F15T8	2	120	24.5	0.21	> .99	.86	3.51	< 10%	< 1.7
F15T8	2	277	24.6	0.09	> .98	.86	3.50	< 10%	< 1.7
F15T8	1	120	16	0.13	> .99	1.02	6.38	< 10%	< 1.7
F15T8	1	277	16.26	0.06	> .90	1.03	6.33	< 30%	< 1.7
F11T8	2	120	20	0.17	> .99	.78	3.90	< 10%	< 1.7
F11T8	2	277	21	0.08	> .97	.78	3.71	< 15%	< 1.7
F11T8	1	120	14	0.11	> .99	.90	6.43	< 10%	< 1.7
F11T8	1	277	14	0.06	> .87	.90	6.43	< 30%	< 1.7
F40T8	1	120	44	0.37	> .99	1.03	2.34	< 10%	< 1.7
F40T8	1	277	43	0.16	> .99	1.03	2.40	< 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
- Meets CSA Standard 654 for Ballast Efficiency
- Anti-striation circuitry

**Application:**

- Minimum Starting Temperature: 0° F, -18° C  
For ES & 28W Lamps: 60° F, 16° C  
For F40T8: 32° F, 0° C
- Maximum Case Temperature: 167° F, 75° C
- Sound Rated: A
- Remote Mounting: 18 ft. max. lead length, 18 AWG
- No remote/tandem wiring for ES lamps

**Safety:**

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

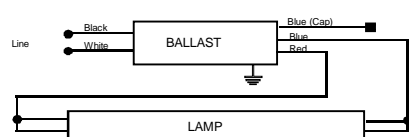
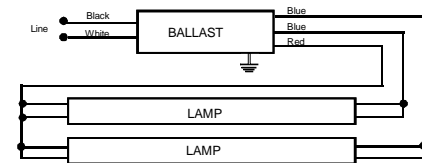
**Physical Parameters**

	Inches	Metric
• 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
• Carton Quantity:	10	
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**



For one lamp application, individually cap blue leads, insulate to 600 volts

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

