

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_{US} listed (Class P, Type 1 Outdoor, Type HL)

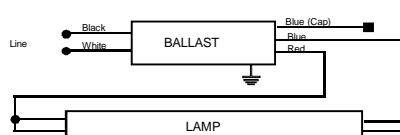
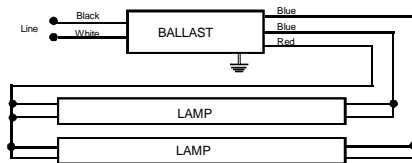
Physical Parameters

	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.

