

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

- Instant Start
- Active Power Factor Correction
- Also operates on 140VDC input, (+)L (-)N

*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	0.47	> .99	.86	1.58	< 10%	< 1.7
F32T8	2	277	55	0.20	> .99	.86	1.58	< 10%	< 1.7
F32T8	1	120	35	0.29	> .99	1.04	2.99	< 10%	< 1.7
F32T8	1	277	34	0.13	> .98	1.04	3.03	< 10%	< 1.7
F32T8ES (30W)	2	120	53	0.44	> .99	.86	1.64	< 10%	< 1.7
F32T8ES (30W)	2	277	51	0.19	> .99	.86	1.69	< 10%	< 1.7
F32T8ES (30W)	1	120	33	0.27	> .99	1.02	3.14	< 10%	< 1.7
F32T8ES (30W)	1	277	32	0.12	> .98	1.03	3.21	< 10%	< 1.7
F32T8ES (25W)	2	120	43	0.36	> .99	.78	1.84	< 10%	< 1.7
F32T8ES (25W)	2	277	42	0.15	> .99	.78	1.88	< 10%	< 1.7
F32T8ES (25W)	1	120	27	0.22	> .99	.96	3.60	< 10%	< 1.7
F32T8ES (25W)	1	277	26	0.10	> .98	.96	3.64	< 10%	< 1.7
F28T8	2	120	48	0.40	> .99	.83	1.76	< 10%	< 1.7
F28T8	2	277	46	0.17	> .99	.83	1.78	< 10%	< 1.7
F28T8	1	120	30	0.25	> .99	.99	3.36	< 10%	< 1.7
F28T8	1	277	29	0.11	> .98	1.00	3.40	< 10%	< 1.7
F25T8	2	120	44	0.37	> .99	.90	2.05	< 10%	< 1.7
F25T8	2	277	43	0.16	> .99	.90	2.09	< 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	37	0.31	> .99	.89	2.43	< 10%	< 1.7
F25T8ES (22W)	2	277	36	0.13	> .98	.89	2.46	< 10%	< 1.7
F25T8ES (22W)	1	120	25	0.19	> .99	1.14	4.55	< 10%	< 1.7
F25T8ES (22W)	1	277	23	0.09	> .97	1.14	4.95	< 10%	< 1.7
F17T8	2	120	31	0.26	> .99	.89	2.87	< 10%	< 1.7
F17T8	2	277	31	0.11	> .98	.89	2.87	< 10%	< 1.7
F17T8	1	120	21	0.17	> .99	1.07	5.10	< 10%	< 1.7
F17T8	1	277	21	0.08	> .96	1.07	5.10	< 10%	< 1.7
F15T8	2	120	25	0.21	> .99	.86	3.51	< 10%	< 1.7
F15T8	2	277	25	0.09	> .97	.86	3.50	< 10%	< 1.7
F15T8	1	120	16	0.14	> .99	1.02	6.38	< 10%	< 1.7
F11T8	2	120	20	0.17	> .99	.78	3.90	< 10%	< 1.7
F11T8	2	277	21	0.08	> .96	.78	3.71	< 15%	< 1.7
F11T8	1	120	14	0.12	> .99	.90	6.43	< 10%	< 1.7
F40T8	1	120	44	0.36	> .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 C82.11-2011
- Meets ANSI Standard C62.41-2002
- 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:

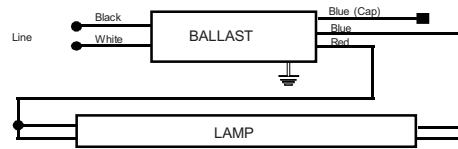
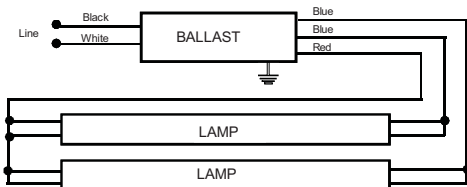
- No PCB's
- cUL_{US} listed
(Class P, Type 1 Outdoor, Type HL)

Physical Parameters:

	Inches	Metric
• Mounting Length:	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:	.89 lbs	
• Carton Quantity:	10	
Lead Lengths (±1"):	010C, 00LI, 000T, 200C	000I
	Black, White	25"
	Red	48"
	Blue	31"

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.



For one lamp application, cap unused blue lead, insulate to 600 volts

Manufactured in North America

Ballast must be grounded

