

APPLICATION and PERFORMANCE SPECIFICATION

**Description:** High frequency electronic ballast for (1) F32T8, F32T8ES-30W, F32T8ES-25W, F28T8, F25T8, F17T8, F40T8, F21T8, F15T8, and F11T8 lamps. Also equivalent U-shaped lamps.

- Line Voltage: 108vac - 305vac, 50/60Hz
- Parallel Lamp Operation
- \*60 Hz data
- Instant Start
- Active Power Factor Correction
- Also operates on 140VDC input, (+)L (-)N

Lamp		Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
Type	#								
F32T8	1	120	28	0.25	>.99	.87	3.11	< 10%	< 1.7
F32T8	1	277	28	0.11	>.99	.87	3.11	< 10%	< 1.7
F32T8ES (30W)	1	120	26	0.24	>.99	.87	3.35	< 10%	< 1.7
F32T8ES (30W)	1	277	26	0.10	>.99	.87	3.35	< 10%	< 1.7
F32T8ES (25W)	1	120	23	0.20	>.99	.87	3.78	< 10%	< 1.7
F32T8ES (25W)	1	277	23	0.09	>.99	.87	3.78	< 10%	< 1.7
F28T8	1	120	24	0.20	>.99	.87	3.63	< 10%	< 1.7
F28T8	1	277	24	0.10	>.99	.87	3.63	< 10%	< 1.7
F25T8	1	120	23	0.20	>.99	.89	3.87	< 10%	< 1.7
F25T8	1	277	23	0.09	>.98	.89	3.87	< 10%	< 1.7
F25T8ES (22W)	1	120	19	0.16	>.99	.89	4.68	< 10%	< 1.7
F25T8ES (22W)	1	277	19	0.07	>.98	.89	4.68	< 10%	< 1.7
F21T8	1	120	19	0.16	>.99	.89	4.68	< 10%	< 1.7
F21T8	1	277	19	0.07	>.98	.89	4.68	< 10%	< 1.7
F17T8	1	120	16	0.14	>.99	.90	5.63	< 10%	< 1.7
F17T8	1	277	16	0.06	>.97	.90	5.63	< 10%	< 1.7
F15T8	1	120	14	0.11	>.99	.90	6.43	< 10%	< 1.7
F11T8	1	120	11	0.09	>.99	.90	8.18	< 10%	< 1.7
F40T8	1	120	35	0.30	>.99	.86	2.46	< 10%	< 1.7
F40T8	1	277	35	0.14	>.99	.86	2.46	< 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

**Safety:**

- No PCB's
- UL listed
- (Class P, Type 1 Outdoor, Type HL)
- CSA Certified

**Application:**

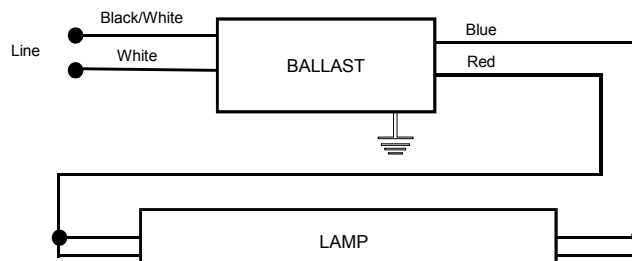
- Minimum Starting Temperature: 0° F, -18° C  
For ES & 28W Lamps: 60° F, 16° C  
For F40T8: 32° F, 0° C
- Maximum Case Temperature: 167° F, 75° C
- Sound Rated: A
- Remote Mounting: 18 ft. max. lead length, 18 AWG

**Physical Parameters:**

	Inches	Metric
• Mounting Length:	8.9" +/- 0.01"	226 mm
(Center to Center)		
• 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	
• Leads lengths:	<u>010C &amp; 00LI</u>	<u>000I</u>
Black, White	25" (+/-1")	12" (+/-1")
Red	48" (+/-1")	21" (+/-1")
Blue	31" (+/-1")	12" (+/-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

**Ballast Must be Grounded**

1-800-BALLAST

www.unvlt.com

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