

10/11/2014

**4 Lamp  
Standard Ballast Factor High Efficiency  
Multi-volt  
High Efficiency**

Project:	
Catalog#:	
Approved by:	

Electronic Fluorescent Ballast

**F32T8 Instant Start Parallel Lamp Operation**

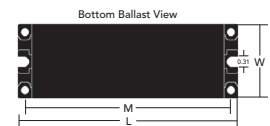
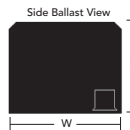
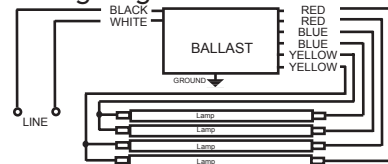
Lamp Type	No. Of Lamps	Lamp Watts	Line Voltage	Ballast Factor	Input Watts	Input Current (amps)	Power Factor	THD	Ballast Efficacy Factor	Min. Start Temp. (°F/°C)
F32T8* FB32T8	4	32	120	0.88	109	0.92	0.99	<10%	0.81	0/-18
	4	32	277	0.88	106	0.39	0.98	<10%	0.83	0/-18
	3	32	120	0.98	91	0.76	0.99	<10%	1.08	0/-18
	3	32	277	0.98	89	0.33	0.98	<10%	1.10	0/-18
F32T8/ES/30	4	30	120	0.88	104	0.87	0.99	<10%	0.85	60/16
	4	30	277	0.88	102	0.37	0.98	<10%	0.86	60/16
	3	30	120	0.98	86	0.72	0.99	<10%	1.14	60/16
	3	30	277	0.98	85	0.31	0.98	<10%	1.15	60/16
F32T8/ES/28	4	28	120	0.88	100	0.83	0.99	<10%	0.88	60/16
	4	28	277	0.88	98	0.35	0.98	<10%	0.90	60/16
	3	28	120	0.98	82	0.68	0.99	<10%	1.20	60/16
	3	28	277	0.98	81	0.30	0.98	<10%	1.21	60/16
F32T8/ES/25	4	25	120	0.88	90	0.75	0.99	<10%	0.98	60/16
	4	25	277	0.88	89	0.33	0.98	<10%	0.99	60/16
	3	25	120	0.98	76	0.63	0.99	<10%	1.29	60/16
	3	25	277	0.98	75	0.27	0.97	<10%	1.31	60/16
F25T8	4	25	120	0.89	84	0.72	0.99	<10%	1.06	0/-18
	4	25	277	0.89	83	0.31	0.98	<10%	1.07	0/-18
	3	25	120	1.01	74	0.62	0.99	<10%	1.36	0/-18
	3	25	277	1.01	73	0.26	0.97	<10%	1.38	0/-18
F17T8	4	17	120	0.92	59	0.49	0.99	<10%	1.56	0/-18
	4	17	277	0.92	58	0.22	0.96	<10%	1.59	0/-18
	3	17	120	1.04	53	0.44	0.99	<10%	1.96	0/-18
	3	17	277	1.04	53	0.19	0.96	<12%	1.96	0/-18
F40T8	3	40	120	0.94	108	0.91	0.99	<10%	0.87	32/0
	3	40	277	0.94	106	0.39	0.98	<10%	0.89	32/0
FB31T8	4	31	120	0.88	105	0.88	0.99	<10%	0.84	0/-18
	4	31	277	0.88	102	0.38	0.98	<10%	0.86	0/-18
	3	31	120	0.98	87	0.73	0.99	<10%	1.13	0/-18
	3	31	277	0.98	85	0.31	0.98	<10%	1.15	0/-18

\* Primary Lamp Design

**Ballast Specifications**

- Ballast shall have a five-year warranty
- Ballast shall be UL/cUL certified
- Ballast shall be sound rated Class A
- Ballast shall be Class P Type 1 Outdoor
- Ballast shall have a Lamp Current Crest Factor of <1.7
- Ballast shall withstand line transients as specified in ANSI C62.41
- Ballast shall meet ANSI C82.11 performance standard
- Ballast shall meet ANSI C82.77 harmonic standard
- Ballast shall comply with the limits of FCC Part 18 Class A
- Ballast shall have a lamp operating frequency greater than 40kHz
- Ballast shall have a 0°F minimum lamp starting temperature for primary lamp
- Ballast shall be Instant Start
- Ballast shall be Parallel Lamp Operation
- Ballast shall have minimum Power Factor of 97% for primary Lamp operation
- Ballast shall operate within +/- 10% of the ballast specified line voltage at 60 Hz

**Wiring Diagram**



**Dimensions**

- L: 9.5"
- W: 1.7"
- H: 1.18"
- M: 8.9"

• Specifications are subject to change without notice.

