

12/28/2011

2 Lamp  
Low 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
F32T8*	2	32	120	0.78	48	0.40	0.98	<10%	1.59
	2	32	277	0.78	48	0.18	0.97	<15%	1.60
	1	32	120	0.93	31	0.26	0.98	<10%	2.90
	1	32	277	0.93	30	0.12	0.95	<15%	3.00
F32T8/ES/30	2	30	120	0.78	45	0.38	0.98	<10%	1.73
	2	30	277	0.78	46	0.17	0.97	<15%	1.69
	1	30	120	0.93	28	0.24	0.98	<10%	3.32
	1	30	277	0.93	28	0.11	0.95	<15%	3.32
F32T8/ES/28	2	28	120	0.78	41	0.35	0.98	<10%	1.90
	2	28	277	0.78	41	0.15	0.97	<15%	1.90
	1	28	120	0.93	26	0.22	0.98	<10%	3.57
	1	28	277	0.93	24	0.10	0.95	<20%	3.88
F32T8/ES/25	2	25	120	0.78	39	0.33	0.98	<10%	2.00
	2	25	277	0.78	38	0.14	0.97	<15%	2.00
	1	25	120	0.93	25	0.21	0.98	<10%	3.32
	1	25	277	0.93	23	0.10	0.80	<20%	4.03
F25T8	2	25	120	0.79	37	0.31	0.98	<10%	2.14
	2	25	277	0.79	35	0.13	0.95	<15%	2.19
	1	25	120	0.95	24	0.20	0.98	<10%	3.95
	1	25	277	0.95	22	0.09	0.80	<20%	4.30
F17T8	2	17	120	0.80	25	0.21	0.98	<10%	3.07
	2	17	277	0.80	23	0.09	0.85	<20%	3.07
	1	17	120	0.96	17	0.14	0.98	<10%	5.64
	1	17	277	0.96	16	0.08	0.80	<20%	5.90
F40T8	1	40	120	0.90	35	0.30	0.98	<10%	2.57
	1	40	277	0.90	35	0.13	0.95	<15%	2.57
FB32T8	2	32	120	0.78	49	0.40	0.98	<10%	1.59
	2	32	277	0.78	48	0.18	0.97	<15%	1.60
	1	32	120	0.93	31	0.26	0.98	<10%	2.90
	1	32	277	0.93	30	0.12	0.95	<15%	3.00
FB31T8	2	31	120	0.78	45	0.38	0.98	<10%	1.73
	2	31	277	0.78	46	0.17	0.97	<15%	1.69
	1	31	120	0.93	30	0.24	0.98	<10%	3.10
	1	31	277	0.93	28	0.11	0.90	<15%	3.30
FB28T8	2	28	120	0.78	41	0.35	0.98	<10%	1.90
	2	28	277	0.78	41	0.15	0.97	<15%	1.90
	1	28	120	0.93	26	0.22	0.98	<10%	3.44
	1	28	277	0.93	24	0.10	0.85	<20%	3.85

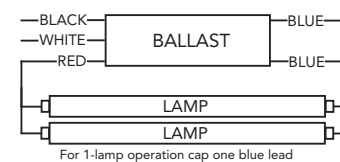
\* Primary Lamp Design

Ballast Specifications

- Ballast shall have a five-year warranty
- Ballast shall be UL 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 C62.41-1991
- 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 98% for primary Lamp operation
- Ballast shall operate within +/- 10% of the ballast specified line voltage at 60 Hz
- Ballast shall have a maximum case hot spot temperature of 70 Celsius

• Specifications are subject to change without notice.

Wiring Diagram



Dimensions

L: 9.5"  
W: 1.3"  
H: 1.0"  
M: 9.0"

