

7/21/2014

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

Project:	
Catalog#:	
Approved by:	

Electronic Fluorescent Ballast

**F32T8 Instant Start Parallel Lamp Operation**

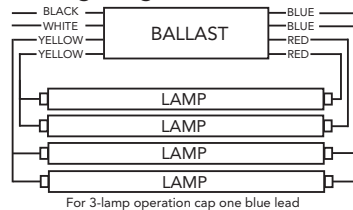
Lamp Type	No. Of Lamps	Lamp Watts	Line Voltage	Ballast Factor	Input Watts	Input Current (amps)	Power Factor	THD	Ballast Efficacy Factor
F32T8*	4	32	120	0.88	110	0.93	0.98	<10%	0.80
	4	32	277	0.88	108	0.40	0.98	<10%	0.80
	3	32	120	0.96	92	0.77	0.98	<10%	1.04
	3	32	277	0.96	89	0.34	0.98	<10%	1.07
F32T8/ES/30	4	30	120	0.88	101	0.85	0.98	<10%	0.87
	4	30	277	0.88	100	0.37	0.98	<10%	0.88
	3	30	120	0.96	84	0.71	0.98	<10%	1.14
F32T8/ES/28	3	30	277	0.96	84	0.31	0.98	<10%	1.15
	4	28	120	0.88	94	0.79	0.98	<10%	0.93
	4	28	277	0.88	94	0.35	0.98	<10%	0.93
F32T8/ES/25	3	28	120	0.96	77	0.65	0.98	<10%	1.24
	3	28	277	0.96	77	0.29	0.98	<10%	1.25
	4	25	120	0.88	88	0.74	0.98	<10%	1.00
F32T8/ES/25	4	25	277	0.88	88	0.33	0.98	<10%	1.00
	3	25	120	0.96	74	0.62	0.98	<10%	1.29
	3	25	277	0.96	73	0.27	0.98	<10%	1.31
F25T8	4	25	120	0.89	87	0.72	0.98	<10%	1.02
	4	25	277	0.89	85	0.32	0.98	<10%	1.05
F17T8	4	17	120	0.93	59	0.49	0.98	<10%	1.57
	4	17	277	0.93	58	0.22	0.98	<10%	1.59
F40T8	3	40	120	0.96	114	0.95	0.98	<10%	0.84
	3	40	277	0.96	109	0.41	0.98	<10%	0.88
FB32T8	4	32	120	0.88	110	0.93	0.98	<10%	0.80
	4	32	277	0.88	108	0.40	0.98	<10%	0.80
	3	32	120	0.96	92	0.77	0.98	<10%	1.04
	3	32	277	0.96	89	0.34	0.98	<10%	1.07
FB31T8	4	31	120	0.88	107	0.90	0.98	<10%	0.82
	4	31	277	0.88	106	0.39	0.98	<10%	0.83
	3	31	120	0.96	87	0.73	0.98	<10%	1.10
	3	31	277	0.96	87	0.32	0.98	<10%	1.10
FB28T8	4	28	120	0.88	94	0.79	0.98	<10%	0.93
	4	28	277	0.88	92	0.34	0.98	<10%	0.95
	3	28	120	0.96	77	0.65	0.98	<10%	1.24
	3	28	277	0.96	77	0.29	0.98	<10%	1.25

\* Primary Lamp Design

**Ballast Specifications**

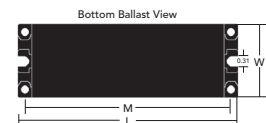
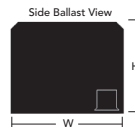
- Ballast shall have a five-year warranty
- Ballast shall be UL certified
- Ballast shall be sound rated Class A
- Ballast shall be Class P Type 1 Outdoor
- Ballast shall have a Lamp Current Crest Factor of <1.7
- Ballast shall withstand line transients as specified in ANSI C62.41-1991
- Ballast shall 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

**Wiring Diagram**



**Dimensions**

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



• Specifications are subject to change without notice.

