

12/28/2011

**2 Lamp  
Standard Ballast Factor  
Multi-volt**

Project:	
Catalog#:	
Approved by:	

**Compact Fluorescent Program Start Series Lamp Operation**

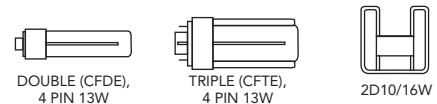
Lamp Type	No. Of Lamps	Lamp Watts	Line Voltage	Ballast Factor	Input Watts	Input Current (amps)	Power Factor	THD	Ballast Efficacy Factor
CF13DE*	2	13	120	1.00	29	0.25	0.99	<10%	3.45
	2	13	277	1.00	29	0.11	0.99	<10%	3.45
	1	13	120	1.00	16	0.16	0.96	<10%	6.25
	1	13	277	1.00	16	0.06	0.96	<10%	6.25
CF13TE	2	13	120	1.00	29	0.25	0.99	<10%	3.45
	2	13	277	1.00	29	0.11	0.99	<10%	3.45
	1	13	120	1.00	16	0.16	0.96	<10%	6.25
	1	13	277	1.00	16	0.06	0.96	<10%	6.25
CF18DE	1	18	120	1.00	20	0.17	0.99	<12%	5.00
	1	18	277	1.00	20	0.07	0.97	<12%	5.00
CF18TE	1	18	120	1.00	20	0.17	0.99	<12%	5.00
	1	18	277	1.00	20	0.07	0.97	<12%	5.00
CFS10W/GR10q	2	10	120	0.95	23	0.19	0.97	<11%	4.13
	2	10	277	0.95	23	0.09	0.97	<11%	4.13
	1	10	120	1.05	13	0.11	0.96	<14%	8.08
	1	10	277	1.05	13	0.05	0.96	<14%	8.08
CF16W/GR10q	1	16	120	1.00	17	0.14	0.96	<12%	5.88
	1	16	277	1.00	17	0.06	0.96	<12%	5.88
F14T5	2	14	120	1.00	31	0.26	0.99	<10%	3.22
	2	14	277	1.00	31	0.12	0.98	<10%	3.22
F13T5	2	13	120	1.00	30	0.25	0.99	<10%	3.33
	2	13	277	1.00	30	0.11	0.98	<10%	3.33

\* Primary Lamp Design

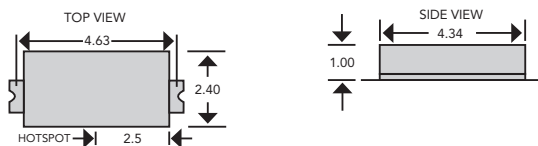
Ballast Specifications

- Ballast shall have a five-year warranty with maximum case temperature of 70°C or three-year warranty with maximum case temperature of 90°C.
- 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.
- Ballast shall comply with the limits of FCC Part 18 Class B (Consumer).
- Ballast shall have a lamp operating frequency greater than 40KHz.
- Ballast shall have color-coded, dual entry poke-in connectors.
- Ballast shall ignite lamps within 900ms.
- Ballast shall have a 0°F minimum lamp starting temperature for primary lamp(s).
- Ballast shall be Program Start.
- Ballast shall be Series Lamp Operation.
- Ballast shall have a minimum Power Factor of 97% for primary lamp operation.
- Ballast shall operate within a +/- 10% of the ballast specified line voltage at an input frequency of 50Hz or 60Hz.
- Ballast shall have a maximum case hot spot temperature of 90°C.
- Ballast shall have end of lamp life protection.
- Ballast shall have auto restart.

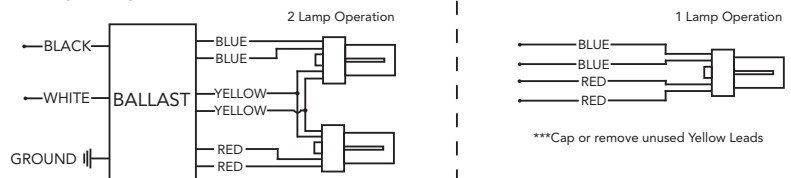
This ballast will operation the following lamps:



Dimensions



Wiring Diagram



• Specifications are subject to change without notice.

Electronic Fluorescent Ballast