

Compact Florescent Program Start Series Lamp Operation

EP2/26CF/MV/K

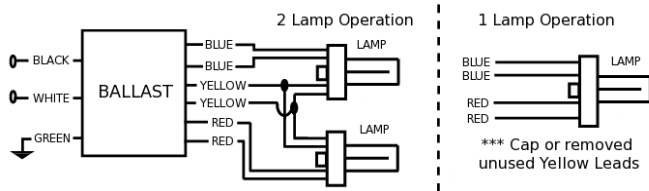
Lamp Type	No. of Lamps	Lamp Watts	Line Voltage	Ballast Factor	Input Watts	Input Current (amps)	Power Factor	THD	Ballast Efficacy Factor
CF13SE	1	13	120	1.04	17	0.14	0.99	<10%	6.18
CF13SE	1	13	277	1.02	17	0.07	0.93	<10%	5.95
CF13SE	2	13	120	1.02	31	0.26	0.99	<10%	3.30
CF13SE	2	13	277	0.99	26	0.11	0.97	<10%	3.82
2D21W	1	21	120	0.98	24	0.20	0.99	<10%	4.03
2D21W	1	21	277	1.60	25	0.09	0.96	<10%	6.51
2D21W	2	21	120	1.03	46	0.38	0.99	<10%	2.26
2D21W	2	21	277	0.98	44	0.16	0.98	<10%	2.23
T5CR22	1	22	120	0.98	28	0.24	0.99	<10%	3.55
T5CR22	1	22	277	0.99	27	0.10	0.97	<10%	3.61
CF24SE	1	24	120	0.93	26	0.22	0.99	<10%	3.52
CF24SE	1	24	277	0.93	27	0.10	0.97	<10%	3.52
CF24SE	2	24	120	0.89	49	0.41	0.99	<10%	1.80
CF24SE	2	24	277	0.90	48	0.18	0.99	<10%	1.86
CF26DE	1	26	120	1.00	30	0.25	0.99	<10%	3.33
CF26DE	1	26	277	0.99	30	0.11	0.97	<10%	3.34
CF26DE*	2	26	120	0.97	58	0.48	0.99	<10%	1.68
CF26DE*	2	26	277	0.97	56	0.21	0.99	<10%	1.72
CF26TE	1	26	120	0.99	30	0.25	0.99	<10%	3.32
CF26TE	1	26	277	0.98	29	0.11	0.97	<10%	3.33
CF26TE*	2	26	120	0.97	58	0.48	0.99	<10%	1.68
CF26TE*	2	26	277	0.97	56	0.20	0.99	<10%	1.74
2D28W	1	28	120	1.06	32	0.27	0.99	<10%	3.30
2D28W	1	28	277	1.04	31	0.12	0.98	<10%	3.32
CF32TE	1	32	120	0.86	34	0.29	0.99	<10%	2.53
CF32TE	1	32	277	0.89	35	0.13	0.98	<10%	2.53
2D38W	1	38	120	0.75	32	0.26	0.99	<10%	2.39
2D38W	1	38	277	0.75	31	0.12	0.97	<10%	2.41
T5CR40	1	40	120	0.85	42	0.34	0.99	<10%	2.04
T5CR40	1	40	277	0.79	38	0.14	0.98	<10%	2.08
CF42TE	1	42	120	0.97	51	0.42	0.99	<10%	1.90
CF42TE	1	42	277	0.97	50	0.18	0.99	<10%	1.95
CF57TE	1	57	120	0.75	52	0.43	0.99	<10%	1.43
CF57TE	1	57	277	0.75	51	0.19	0.99	<10%	1.47

\*Primary lamp design

Ballast Specifications

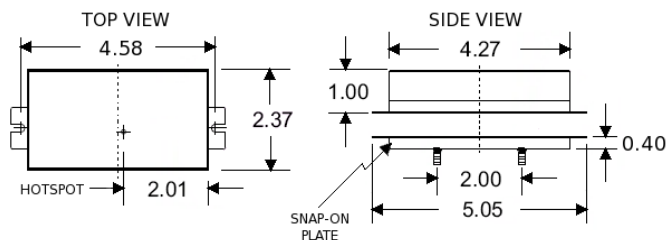
- Ballast shall have a five year warranty with maximum case temperature of 70°C or three year warranty with maximum case temperature of 90°C.
- Ballast shall be UL certified.
- Ballast shall be sound rated Class A.
- Ballast shall be Class P Type 1 Outdoor.
- Ballast shall have a Lamp Current Crest Factor of <1.7.
- Ballast shall withstand line transients as specified in ANSI C62.41.
- Ballast shall comply with the limits of FCC Part 18C 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 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.
- Ballast shall ignite lamps within 900 ms.

Wiring Diagram



Ballast must be grounded

Ballast Dimensions



Retail packaged kit contains:

- Dual entry poke-in connector ballast
- Snap-on plate
- Wire set
- Wire removing tool
- Mounting hardware – Nuts & washers

This ballast will operate the following lamps:



**HOWARD**  
LIGHTING PRODUCTS

Lighting for life.

Visit us online at [HowardLightingProducts.com](http://HowardLightingProducts.com) or call us at 800.956.3456.