

## T8 Instant Start Parallel Lamp Operation

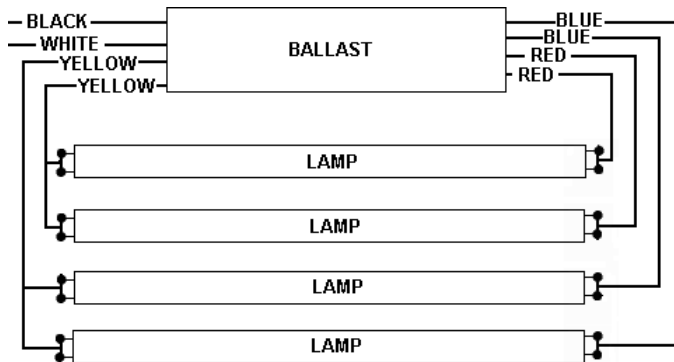
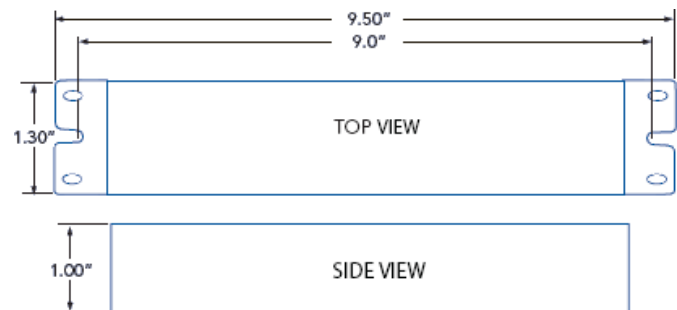
## EPL4/32IS/MV/MC

Lamp Type	No. of Lamps	Lamp Watts	Line Voltage	Ballast Factor	Input Watts	Input Current (amps)	Power Factor	THD	Ballast Efficacy Factor
F17T8	4	17	120	0.79	54	0.46	0.98	<10%	1.46
F17T8	4	17	277	0.79	52	0.19	0.98	<10%	1.47
F25T8	3	25	120	0.84	62	0.53	0.98	<10%	1.35
F25T8	3	25	277	0.84	61	0.22	0.95	<15%	1.36
F25T8	4	25	120	0.78	76	0.64	0.98	<10%	1.02
F25T8	4	25	277	0.78	74	0.27	0.98	<10%	1.04
F32T8	3	32	120	0.82	81	0.68	0.98	<10%	1.01
F32T8	3	32	277	0.82	80	0.29	0.98	<10%	1.02
F32T8*	4	32	120	0.77	98	0.82	0.98	<10%	0.79
F32T8*	4	32	277	0.77	96	0.35	0.98	<10%	0.80
F32T8/ES/30	3	30	120	0.82	75	0.63	0.98	<10%	1.09
F32T8/ES/30	3	30	277	0.82	74	0.275	0.97	<10%	1.10
F32T8/ES/30	4	30	120	0.77	90	0.76	0.98	<10%	0.85
F32T8/ES/30	4	30	277	0.77	89	0.33	0.98	<10%	0.86
F32T8/ES/28	3	28	120	0.82	70	0.59	0.98	<10%	1.17
F32T8/ES/28	3	28	277	0.82	70	0.26	0.97	<10%	1.17
F32T8/ES/28	4	28	120	0.77	84	0.71	0.98	<10%	0.91
F32T8/ES/28	4	28	277	0.77	84	0.31	0.98	<10%	0.91
F32T8/ES/25	3	25	120	0.84	68	0.57	0.98	<10%	1.23
F32T8/ES/25	3	25	277	0.84	66	0.25	0.95	<15%	1.27
F32T8/ES/25	4	25	120	0.78	82	0.69	0.98	<10%	0.95
F32T8/ES/25	4	25	277	0.78	81	0.30	0.98	<10%	0.96
FB32T8	3	32	120	0.82	81	0.68	0.98	<10%	1.01
FB32T8	3	32	277	0.82	80	0.29	0.98	<10%	1.02
FB32T8	4	32	120	0.77	98	0.82	0.98	<10%	0.79
FB32T8	4	32	277	0.77	96	0.35	0.98	<10%	0.80
FB31T8	3	31	120	0.82	76	0.64	0.98	<10%	1.07
FB31T8	3	31	277	0.82	77	0.285	0.97	<10%	1.06
FB31T8	4	31	120	0.77	94	0.79	0.98	<10%	0.81
FB31T8	4	31	277	0.77	92	0.34	0.98	<10%	0.83
FB28T8	3	28	120	0.82	70	0.59	0.98	<10%	1.17
FB28T8	3	28	277	0.82	70	0.26	0.97	<10%	1.17
FB28T8	4	28	120	0.77	84	0.71	0.98	<10%	0.91
FB28T8	4	28	277	0.77	84	0.31	0.98	<10%	0.91
F40T8	3	40	120	0.82	98	0.82	0.98	<10%	0.83
F40T8	3	40	277	0.82	96	0.35	0.98	<10%	0.85

\*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 18C Class B (Residential) and Class A
- Ballast shall have a lamp operating frequency greater than 40KHz
- Ballast shall have a  $0^{\circ}$  F minimum lamp starting temperature for primary lamp
- Ballast shall be Instant Start
- Ballast shall be Series Lamp Operation
- Ballast shall have a minimum Power Factor of 98% for primary lamp operation
- Ballast shall operate within a  $\pm 10\%$  of the ballast specified line voltage at an input frequency of 50Hz or 60Hz
- Ballast shall have a maximum case hot spot temperature of 70 C

**Wiring Diagram****Ballast Dimension**

FOR 3 LAMP OPERATION CAP ANY BLUE LEAD