



## AB4-32-IP-UNV-HBF

### Universal Input Voltage High Ballast Factor Instant Start Parallel Lamp Operation

FOUR LAMP OPERATION							
Lamp Type	F32T8	F32T8/ES	F32T8/ES	F32T8/ES	F25T8	F17T8	
Rated Lamp Watts	32	30	28	25	25	17	
Ballast Factor	1.18	1.18	1.15	1.20	1.20	1.22	
Input Power (W)	147/144	136/134	119/117	108/106	111/110	77	
Input Current (A) 120V	1.24	1.14	1.00	0.91	0.93	0.65	
Input Current (A) 277V	0.53	0.49	0.43	0.39	0.41	0.28	
Power Factor	0.99	0.99	0.98	0.98	0.98	0.95	
THD	<10%	<10%	<10%	<10%	<10%	<10%	
Ballast Efficacy Factor	0.80/0.82	0.87/0.88	0.97/0.98	1.11/1.13	1.08/1.09	1.58	
THREE LAMP OPERATION							
Lamp Type	F40T8	F32T8	F32T8/ES	F32T8/ES	F32T8/ES	F25T8	F17T8
Rated Lamp Watts	40	32	30	28	25	25	17
Ballast Factor	1.26	1.26	1.24	1.20	1.23	1.24	1.26
Input Power (W)	134/131	112/110	104/101	91/89	83/81	85/84	60
Input Current (A) 120V	1.13	0.94	0.88	0.77	0.70	0.72	0.51
Input Current (A) 277V	0.48	0.41	0.37	0.33	0.30	0.31	0.22
Power Factor	0.99	0.98	0.99	0.97	0.96	0.96	0.92
THD	<10%	<10%	<10%	<10%	<10%	<10%	<10%
Ballast Efficacy Factor	0.94/0.96	1.13/1.15	1.19/1.23	1.32/1.35	1.48/1.52	1.46/1.48	2.10

### BALLAST SPECIFICATIONS

- Ballast shall have a five year warranty.
- Ballast shall be UL certified for the U.S. and Canada.
- Ballast shall be sound rated Class A.
- 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 for Non-Consumer equipment.
- Ballast shall have a lamp operating frequency between 42 and 52 KHz.
- Ballast shall have a -20°F minimum lamp starting temperature for primary lamp.
- Ballast shall be potted.
- 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 50/60 Hz.
- Ballast shall have a maximum case hot spot temperature of 90° Celsius.
- Ballast shall meet NEMA/CEE High Performance T8 specifications.

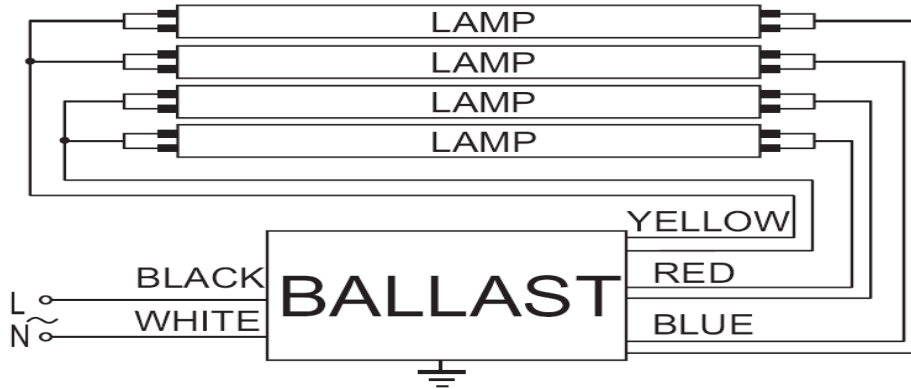
AMERICAN BALLAST 47800 FREMONT BLVD, FREMONT, CA 94538  
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Revision Date: 12/28/2010

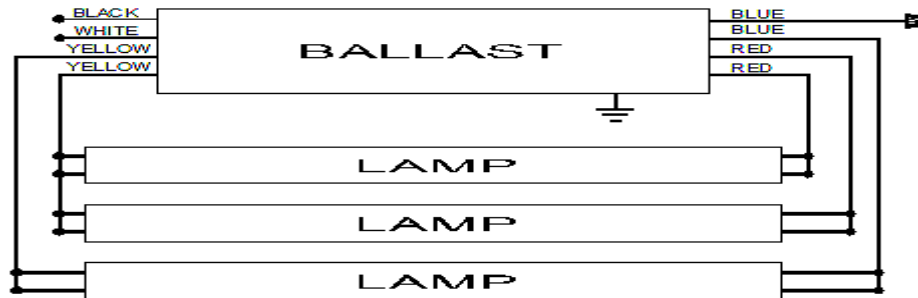
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## WIRING DIAGRAMS

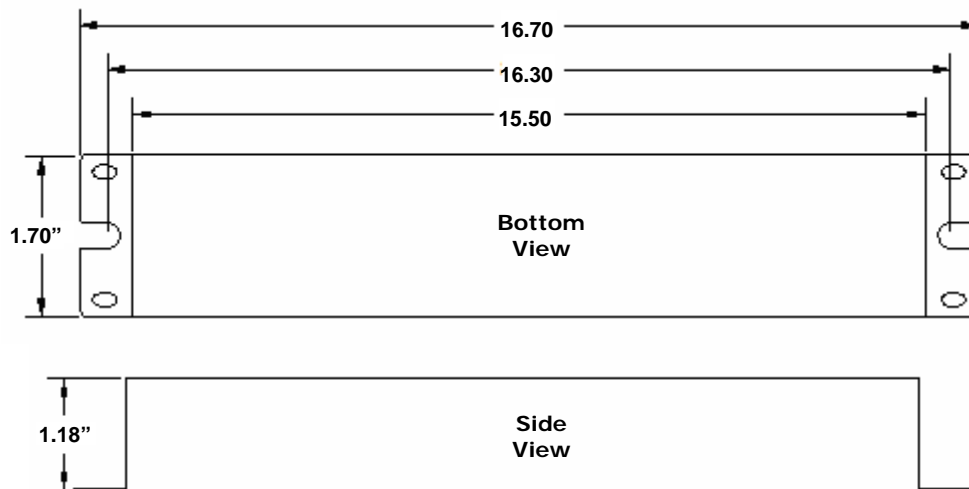
### FOUR LAMP OPERATION



### THREE LAMP OPERATION



## BALLAST DIMENSIONS



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