



**AB4-32-IP-120-R**

**120V Residential Electronic Ballast  
4 Lamp Instant Start Parallel Operation**

<b>FOUR LAMP OPERATION</b>									
Lamp Type	F32T8	F32T8/ES	FB31T8	F25T12	F25T8	FB24T8	F17T8	F40T12	F34T12
Rated Lamp Watts	32	32	31	25	25	24	17	40	34
Ballast Factor	80	80	80	89	84	84	94	53	54
Input Power (W)	103	99	103	90	85	85	67	84	73
Input Current (A)	1.42	1.38	1.42	1.25	1.18	1.18	0.93	1.04	0.90
Power Factor	>.60	>.60	>.60	>.60	>.60	>.60	>.60	>.60	>.60
THD	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<150%	<150%
Ballast Efficacy Factor	0.78	0.81	0.78	0.99	0.99	0.99	1.40	0.63	0.74
<b>THREE LAMP OPERATION</b>									
Lamp Type	F32T8	F32T8/ES	FB31T8	F25T12	F25T8	FB24T8	F40T12	F34T12	
Rated Lamp Watts	32	32	31	25	25	24	40	34	
Ballast Factor	93	93	93	95	96	96	57	58	
Input Power (W)	58	56	58	47	47	46	69	60	
Input Current (A)	0.80	0.78	0.80	0.70	0.67	0.65	0.90	0.78	
Power Factor	>.60	>.60	>.60	>.60	>.60	>.60	>.60	>.60	
THD	<100%	<100%	<100%	<100%	<100%	<100%	<150%	<150%	
Ballast Efficacy Factor	1.38	1.43	1.38	1.89	1.78	1.83	0.83	0.97	

## AB4-32-IP-120-R

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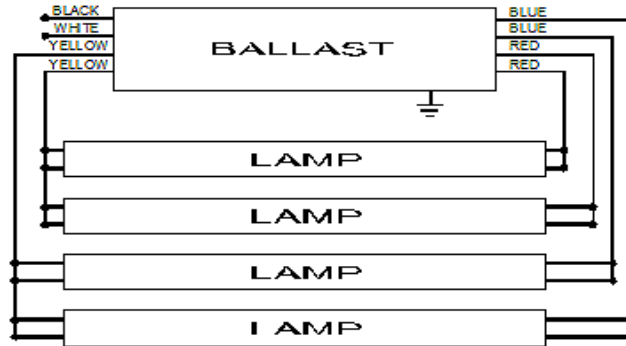
### BALLAST SPECIFICATIONS

- Ballast shall have a two year warranty.
- Ballast shall be UL
- 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 Consumer (Class B)
- Ballast shall have a lamp operating frequency of (20 kHz to 33 kHz) or greater than 40 kHz.
- Ballast shall have a 0°F minimum lamp starting temperature.
- Ballast shall be potted.
- Ballast shall be Instant Start
- Ballast shall be Parallel Lamp Operation
- Ballast shall have minimum Power Factor of 60% 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 75 Celsius.

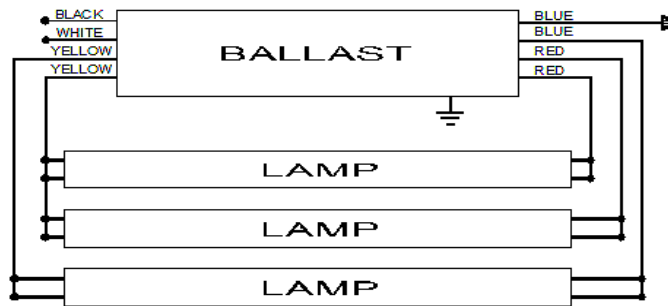
# AB4-32-IP-120-R

## WIRING DIAGRAMS

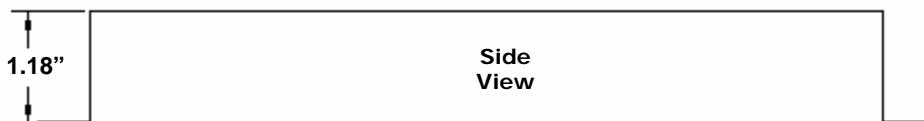
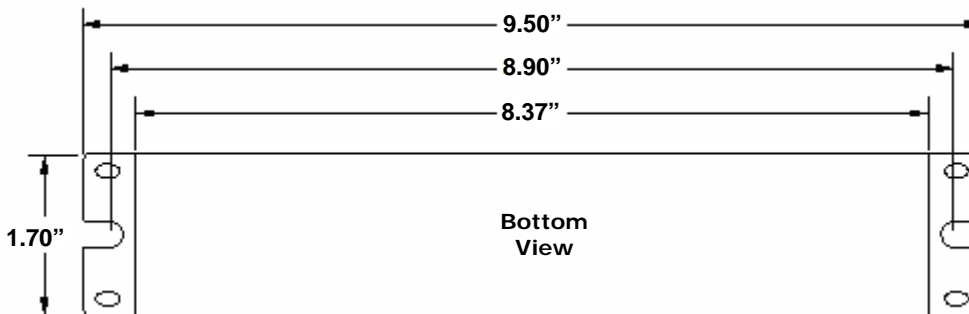
### FOUR LAMP OPERATION



### THREE LAMP OPERATION



## BALLAST DIMENSIONS



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