



AB4-32-IP-120-R

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

| FOUR LAMP OPERATION | | | | | | | | | |
|-----------------------------|-------|----------|--------|--------|-------|--------|--------|--------|--------|
| 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 |
| THREE LAMP OPERATION | | | | | | | | | |
| 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 | |

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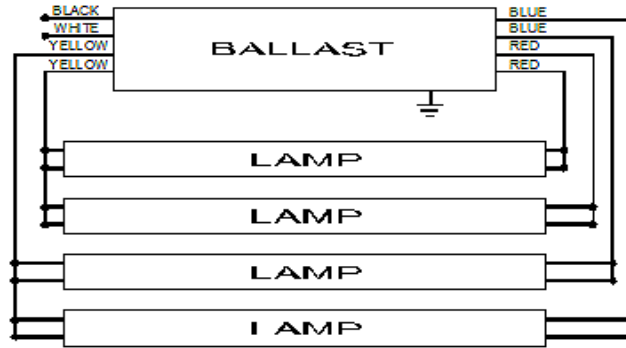
BALLAST SPECIFICATIONS

- 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.

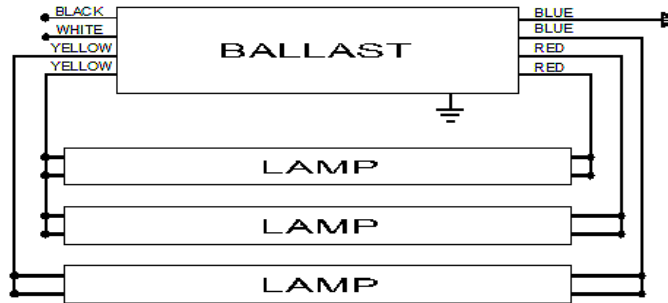
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WIRING DIAGRAMS

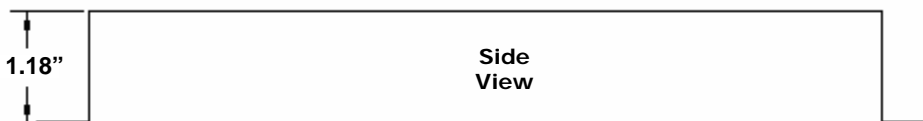
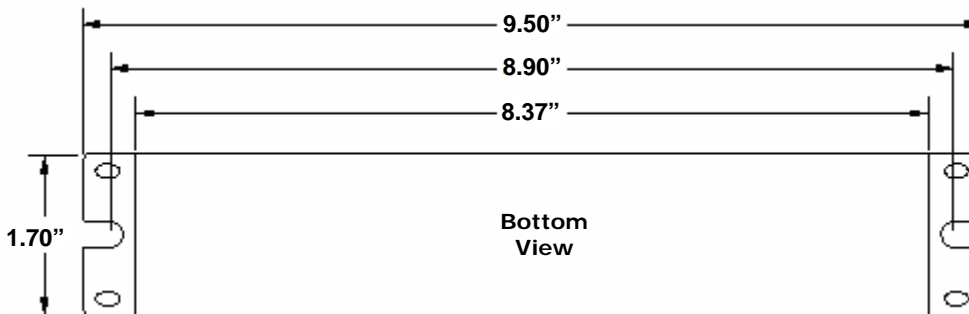
FOUR LAMP OPERATION



THREE LAMP OPERATION



BALLAST DIMENSIONS



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