

T8 Instant Start Parallel Lamp Operation

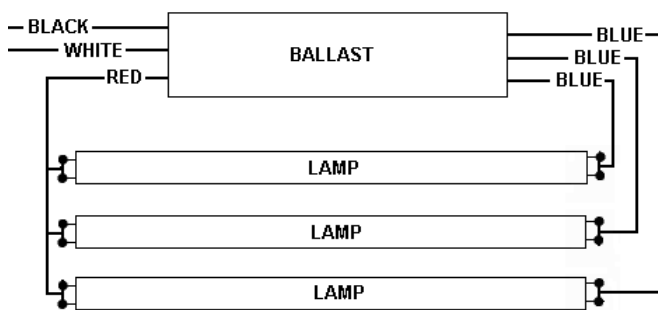
EPL3/32IS/MV/MC

| Lamp Type | No. of Lamps | Lamp Watts | Line Voltage | Ballast Factor | Input Watts | Input Current (amps) | Power Factor | THD | Ballast Efficacy Factor |
|-------------|--------------|------------|--------------|----------------|-------------|----------------------|--------------|------|-------------------------|
| F17T8 | 3 | 17 | 120 | 0.86 | 43 | 0.37 | 0.98 | <10% | 1.95 |
| F17T8 | 3 | 17 | 277 | 0.86 | 43 | 0.16 | 0.95 | <15% | 2.00 |
| F25T8 | 3 | 25 | 120 | 0.82 | 60 | 0.51 | 0.98 | <10% | 1.34 |
| F25T8 | 3 | 25 | 277 | 0.82 | 58 | 0.22 | 0.95 | <15% | 1.36 |
| F32T8 | 2 | 32 | 120 | 0.92 | 58 | 0.49 | 0.98 | <10% | 1.53 |
| F32T8 | 2 | 32 | 277 | 0.92 | 57 | 0.21 | 0.95 | <15% | 1.61 |
| F32T8* | 3 | 32 | 120 | 0.78 | 75 | 0.64 | 0.98 | <10% | 1.04 |
| F32T8* | 3 | 32 | 277 | 0.78 | 74 | 0.27 | 0.98 | <10% | 1.05 |
| F32T8/ES/30 | 2 | 30 | 120 | 0.92 | 54 | 0.45 | 0.98 | <10% | 1.70 |
| F32T8/ES/30 | 2 | 30 | 277 | 0.92 | 53 | 0.2 | 0.97 | <15% | 1.72 |
| F32T8/ES/30 | 3 | 30 | 120 | 0.81 | 71 | 0.6 | 0.98 | <10% | 1.14 |
| F32T8/ES/30 | 3 | 30 | 277 | 0.81 | 70 | 0.26 | 0.98 | <15% | 1.15 |
| F32T8/ES/28 | 2 | 28 | 120 | 0.92 | 49 | 0.42 | 0.98 | <10% | 1.87 |
| F32T8/ES/28 | 2 | 28 | 277 | 0.92 | 48 | 0.185 | 0.95 | <15% | 1.91 |
| F32T8/ES/28 | 3 | 28 | 120 | 0.81 | 64 | 0.55 | 0.98 | <10% | 1.26 |
| F32T8/ES/28 | 3 | 28 | 277 | 0.81 | 63 | 0.24 | 0.95 | <15% | 1.28 |
| F32T8/ES/25 | 2 | 25 | 120 | 0.95 | 48 | 0.41 | 0.98 | <10% | 1.97 |
| F32T8/ES/25 | 2 | 25 | 277 | 0.92 | 47 | 0.18 | 0.95 | <15% | 2.02 |
| F32T8/ES/25 | 3 | 25 | 120 | 0.85 | 63 | 0.53 | 0.98 | <10% | 1.34 |
| F32T8/ES/25 | 3 | 25 | 277 | 0.85 | 61 | 0.23 | 0.95 | <15% | 1.39 |
| FB32T8 | 2 | 32 | 120 | 0.92 | 58 | 0.49 | 0.98 | <10% | 1.53 |
| FB32T8 | 2 | 32 | 277 | 0.92 | 57 | 0.21 | 0.97 | <15% | 1.61 |
| FB32T8 | 3 | 32 | 120 | 0.78 | 75 | 0.64 | 0.98 | <10% | 1.04 |
| FB32T8 | 3 | 32 | 277 | 0.78 | 74 | 0.27 | 0.98 | <10% | 1.05 |
| FB31T8 | 2 | 31 | 120 | 0.92 | 55 | 0.46 | 0.98 | <10% | 1.67 |
| FB31T8 | 2 | 31 | 277 | 0.92 | 54 | 0.2 | 0.97 | <15% | 1.70 |
| FB31T8 | 3 | 31 | 120 | 0.81 | 73 | 0.6 | 0.98 | <10% | 1.10 |
| FB31T8 | 3 | 31 | 277 | 0.81 | 71 | 0.26 | 0.97 | <10% | 1.14 |
| FB28T8 | 2 | 28 | 120 | 0.92 | 48 | 0.42 | 0.98 | <10% | 1.91 |
| FB28T8 | 2 | 28 | 277 | 0.92 | 48 | 0.185 | 0.95 | <10% | 1.91 |
| FB28T8 | 3 | 28 | 120 | 0.81 | 65 | 0.55 | 0.98 | <10% | 1.24 |
| FB28T8 | 3 | 28 | 277 | 0.81 | 64 | 0.24 | 0.97 | <15% | 1.26 |
| F40T8 | 2 | 40 | 120 | 0.87 | 71 | 0.6 | 0.98 | <10% | 1.22 |
| F40T8 | 2 | 40 | 277 | 0.87 | 70 | 0.26 | 0.98 | <15% | 1.24 |

* 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 A
- Ballast shall have a lamp operating frequency greater than 40KHz
- Ballast shall have a 0° 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 +/- 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

FOR 2 LAMP OPERATION CAP ONE BLUE LEAD

Ballast Dimension