

## B232PUS50-A

### APPLICATION and PERFORMANCE SPECIFICATION

**Description:** Switch Dimming Electronic ballast for (2/1) F32T8, (2/1) F28T8, (2/1) F25T8, (2/1) F17T8 and (1) F40T8 fluorescent lamps. Also, equivalent U-shaped lamps.

- Line Voltage: 120 - 277 vac, ±10%, 50/60Hz
- Series Lamp Operation
- Programmed Rapid Start
- Active Power Factor Correction

| Lamp     |     | Input Volts | 100%/50%       |                     | Full Bright         |              |              |               |      |
|----------|-----|-------------|----------------|---------------------|---------------------|--------------|--------------|---------------|------|
| Type     | Qty |             | Ballast Factor | Input Power [watts] | Line Current [Amps] | Power Factor | Max Thd. [%] | Crests Factor | BEF  |
| F32T8    | 2   | 120         | 0.88/0.30      | 57/28               | 0.48                | > 99         | < 10%        | < 1.7         | 1.54 |
| F32T8    | 2   | 277         | 0.88/0.30      | 56/28               | 0.21                | > 95         | < 10%        | < 1.7         | 1.57 |
| F28T8/ES | 2   | 120         | 0.88/0.27      | 48/24               | 0.40                | > 99         | < 10%        | < 1.7         | 1.83 |
| F28T8/ES | 2   | 277         | 0.88/0.27      | 47/24               | 0.18                | > 94         | < 10%        | < 1.7         | 1.87 |
| F25T8    | 2   | 120         | 0.84/0.28      | 46/24               | 0.39                | > 99         | < 10%        | < 1.7         | 1.83 |
| F25T8    | 2   | 277         | 0.84/0.28      | 46/24               | 0.18                | > 90         | < 10%        | < 1.7         | 1.83 |
| F17T8    | 2   | 120         | 0.87/0.30      | 30/16               | 0.25                | > 99         | < 10%        | < 1.7         | 2.90 |
| F17T8    | 2   | 277         | 0.87/0.30      | 30/16               | 0.12                | > 88         | < 10%        | < 1.7         | 2.90 |
| F32T8    | 1   | 120         | 0.88/0.29      | 29/14               | 0.25                | > 99         | < 10%        | < 1.7         | 3.03 |
| F32T8    | 1   | 277         | 0.88/0.29      | 29/14               | 0.12                | > 85         | < 10%        | < 1.7         | 3.03 |
| F28T8/ES | 1   | 120         | 0.88/0.27      | 25/12               | 0.21                | > 99         | < 10%        | < 1.7         | 3.52 |
| F28T8/ES | 1   | 277         | 0.88/0.27      | 25/13               | 0.11                | > 85         | < 10%        | < 1.7         | 3.52 |
| F25T8    | 1   | 120         | 0.85/0.28      | 24/12               | 0.21                | > 98         | < 10%        | < 1.7         | 3.54 |
| F25T8    | 1   | 277         | 0.85/0.28      | 24/12               | 0.11                | > 80         | < 10%        | < 1.7         | 3.54 |
| F17T8    | 1   | 120         | 0.88/0.29      | 16/9                | 0.14                | > 95         | < 10%        | < 1.7         | 5.50 |
| F17T8    | 1   | 277         | 0.88/0.29      | 16/9                | 0.08                | > 70         | < 10%        | < 1.7         | 5.50 |
| F40T8    | 1   | 120         | 0.95/0.28      | 38/17               | 0.32                | > 95         | < 10%        | < 1.7         | 2.50 |
| F40T8    | 1   | 277         | 0.95/0.28      | 38/17               | 0.15                | > 90         | < 10%        | < 1.7         | 2.50 |

Application and Performance Specification Information Subject to Change without Notification.

Energy-savings lamp applications available beginning Spring-2011 – check ballast label for actual listings

Lamp striations may occur when dimming energy-savings lamps – these are not harmful to the ballast or lamps

Check with lamp manufacturer for suitability of energy-savings lamps in dimming applications

**Performance:**

- Meets ANSI Standard C82.11
- Meets ANSI Standard C62.41
- Meets FCC Part 18 (Class A) for EMI and RFI Non-Consumer Limits
- Auto Reset after Lamp Replacement
- End of Lamp Life Shutdown Circuitry
- Dimming Range: Step dimming to 50% input power

**Safety:**

- No PCB's
- cUL<sub>US</sub> (Class P, Type 1 Outdoor, Type HL)
- Type CC

**Physical Parameters**

- Mounting Length: 8.89" (Center to Center)
- Overall Length: 9.50"
- Width: 1.70"
- Height: 1.18"
- Weight: 1.7 lb
- Carton Quantity: 10 pieces
- Lead Lengths: Red & Blue 33" ± 1"
- Yellow 47" ± 1"
- Blk, Wht & Blk/Wht 25" ± 1"

**Application:**

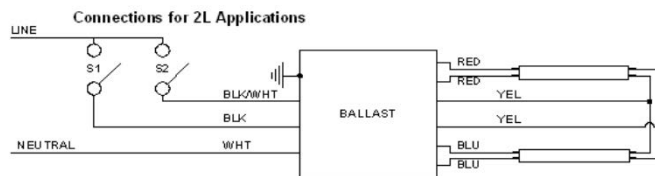
- Minimum Starting Temperature: 32 °F, 0 °C
- Energy Savings Lamps: 60°F, 16°C
- Note: Check lamp requirements for dimming below 50°F
- Maximum Case Temperature(tc): 167 °F, 75 °C
- Sound Rating: A
- Remote mounting: Not recommended
- Tandem wiring: Not recommended
- Season new lamps by operating at full intensity for at least 100 hours before dimming

**Warranty:**

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal conditions of use.

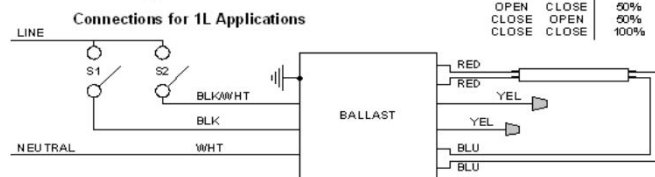
Call 1-800-BALLASTx800 for technical assistance.

Manufactured in North America



S1 & S2 must be wired on the same phase  
Ballast must be grounded

| S1    | S2    | INPUT POWER |
|-------|-------|-------------|
| OPEN  | OPEN  | 0%          |
| OPEN  | CLOSE | 50%         |
| CLOSE | OPEN  | 50%         |
| CLOSE | CLOSE | 100%        |



**Ballast must be grounded in accordance with national and local electric codes**

**Use of a star washer on the mounting foot is strongly recommended**

