

APPLICATION and PERFORMANCE SPECIFICATION

Description: Electronic ballast(s) for (1/2) **F28T5** or (1/2) F28T5ES or (1) F35T5 or (1/2) F21T5 or (1/2) F14T5

- Line Voltage: 120 - 277 vac, ±10%, 50/60Hz
- Series Lamp Operation
- Auto Reset after Lamp Replacement
- Programmed Rapid Start
- Active Power Factor Correction
- End of Lamp Life Shutdown Circuitry

| Lamp Type | Line Volts | No. of Lamps | Input Watts | Nominal Line Amps | Ballast Factor | Power Factor | Harmonic Total | Crest Factor |
|--------------|------------|--------------|-------------|-------------------|----------------|--------------|----------------|--------------|
| F28T5 | 120 | 2 | 65 | 0.54 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5 | 120 | 1 | 32 | 0.27 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5 | 277 | 2 | 64 | 0.23 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5 | 277 | 1 | 32 | 0.12 | 1.00 | > 0.95 | < 10% | < 1.7 |
| F28T5ES | 120 | 2 | 59 | 0.49 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5ES | 120 | 1 | 29 | 0.24 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5ES | 277 | 2 | 58 | 0.21 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F28T5ES | 277 | 1 | 29 | 0.11 | 1.00 | > 0.95 | < 10% | < 1.7 |
| F35T5 | 120 | 1 | 40 | 0.33 | 1.00 | > 0.99 | < 10% | < 1.7 |
| F35T5 | 277 | 1 | 40 | 0.15 | 1.00 | > 0.95 | < 10% | < 1.7 |
| F21T5 | 120 | 2 | 47 | 0.39 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F21T5 | 120 | 1 | 24 | 0.20 | 1.01 | > 0.98 | < 10% | < 1.7 |
| F21T5 | 277 | 2 | 46 | 0.17 | 1.00 | > 0.98 | < 10% | < 1.7 |
| F21T5 | 277 | 1 | 24 | 0.10 | 1.01 | > 0.95 | < 10% | < 1.7 |
| F14T5 | 120 | 2 | 33 | 0.27 | 1.01 | > 0.98 | < 10% | < 1.7 |
| F14T5 | 120 | 1 | 17 | 0.15 | 1.02 | > 0.98 | < 10% | < 1.7 |
| F14T5 | 277 | 2 | 33 | 0.12 | 1.01 | > 0.95 | < 10% | < 1.7 |
| F14T5 | 277 | 1 | 17 | 0.07 | 1.02 | > 0.90 | < 10% | < 1.7 |

Application and Performance Specification Information Subject to Change without Notification.

Performance:

- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI Non-Consumer Limits

Safety:

- No PCB's
- cUL_{US} listed (Class P, Type 1 Outdoor)

Application:

- Minimum Starting Temperature: 0 °F, -18 °C
- Maximum Ambient Temperature: 104 °F, 40°C
- Maximum Case Temperature(tc): 167 °F, 75 °C
- Sound Rating: Class A
- Remote Mounting: 20 ft.

Physical Parameters

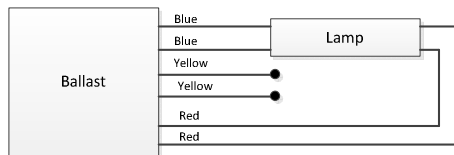
- | | Inches | Metric |
|--------------------|-----------------------|----------|
| • Mounting Length: | 8.9" +/- 0.01" | 226 mm |
| (Center to Center) | | |
| • Overall Length: | 9.5" +/- 0.01" | 241.3 mm |
| • Width: | 1.31" + 0.03"/- 0.02" | 33.3 mm |
| • Height: | 1.00" + 0.04"/- 0.01" | 25.4 mm |
| • Carton Quantity: | | 10 |

Warranty:

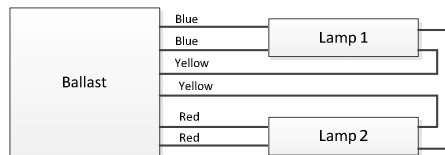
Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.

Manufactured in North America

1 Lamp Operation



2 Lamp Operation



For one lamp application, individually cap yellow leads, insulate to 600 volts

Ground to Case or Input Terminal (G)