

## APPLICATION and PERFORMANCE SPECIFICATION

**Description:** Electronic ballast(s) for (1/2) **F28T5** or (1/2) F28T5ES (25W) or (1/2) F21T5 or (1/2) F14T5

- Line Voltage: 120 - 277 vac,  $\pm 10\%$ , 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
<b>F28T5</b>	120	2	65	0.54	1.00	> 0.98	< 10%	< 1.7
<b>F28T5</b>	120	1	32	0.27	1.00	> 0.98	< 10%	< 1.7
<b>F28T5</b>	277	2	64	0.23	1.00	> 0.98	< 10%	< 1.7
<b>F28T5</b>	277	1	32	0.12	1.00	> 0.95	< 10%	< 1.7
F28T5ES (25W)	120	2	59	0.49	1.00	> 0.98	< 10%	< 1.7
F28T5ES (25W)	120	1	29	0.24	1.00	> 0.98	< 10%	< 1.7
F28T5ES (25W)	277	2	58	0.21	1.00	> 0.98	< 10%	< 1.7
F28T5ES (25W)	277	1	29	0.11	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
- Also operates on 125VDC input, (+)L (-)N

**Application:**

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

**Safety:**

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

**Physical Parameters**

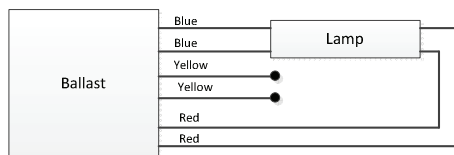
	Inches	Metric
• Mounting Length: (Center to Center)	8.9" +/- 0.01"	226 mm
• Overall Length:	9.5" +/- 0.01"	241.3 mm
• Width:	1.31" + 0.03"/- 0.02"	33.3 mm
• Height:	1.00" + 0.04"/- 0.01"	25.4 mm
• Weight:	.75 lbs	
• Carton Quantity:		10
• Lead Length:	Black, White Yellow Blue, Red	25" (+/-1") 48" (+/-1") 28" (+/-1")

**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**

