

B228PUNVSV3-D

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency dimming electronic ballast for (2) F28T5 lamps
Secondary Application: (2) F28T5ES (25W) and (2) F21T5 lamps

- Line voltage: 120vac to 277vac, ±10%, 50-60Hz
- Auto Reset End of Lamp Life Shutdown Circuitry
- Series lamp operation
- Programmed rapid start
- Active power factor correction

Lamp		Input Voltage	Max/Min		Min Start Temp °F/°C	Full Bright			
Type	Qty		Ballast Factor	Input Power [Watts]		Line Current [Amps]	Max Thd [%]	Crest Factor	BEF
F28T5	2	120	1.00/.03	63/9	50/10	0.53	< 10	< 1.7	1.59
F28T5	2	277	1.00/.03	61/9	50/10	0.22	< 10	< 1.7	1.64
F28T5ES (25W)	2	120	1.00/.03	57/10	50/10	0.48	< 10	< 1.7	1.75
F28T5ES (25W)	2	277	1.00/.03	56/10	50/10	0.20	< 10	< 1.7	1.80
F21T5	2	120	1.00/.03	47/10	50/10	0.39	< 10	< 1.7	2.13
F21T5	2	277	1.00/.03	46/10	50/10	0.17	< 10	< 1.7	2.17

Data taken at 100% Light Level unless otherwise noted.

Application and operation performance specification information subject to change without notification.

Performance:

- Meets ANSI Standard C82.11
- Meets ANSI Standard C62.41
- Meets FCC Part 18 for EMI and RFI Non-Consumer Limits

Safety:

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

Application:

- Minimum starting temperature: 50°F (10°C)
- Maximum case temperature: 167 °F (75 °C)
- Sound rating: Class A
- Remote mounting: 2 ft
- Line voltage protection for control circuit
- Dimming range: 100% to 3% light output
- Line voltage protection for control circuit
- Maximum lead lengths: Yel: 4 ft
Red: 8 ft
Blue: 8ft

Physical Parameters:

- Overall length: 16.88"
- Mounting length: 16.28"
- Width: 1.18"
- Height: 1.00"
- Weight: 1.25 lbs
- Carton Quantity 10

• Please review the SuperDim Application Notes at

<http://www.universalballast.com/techSupport/application-notes/superdim/index.html>

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.

Dimming Control Specifications:

- 10 to 0 vDC Voltage Control
- 10v = maximum output
- 0v = minimum output
- Built-in line voltage protection circuit: Deep-dimming condition when line voltage is applied to control leads
- Can be wired as Class 1 or Class 2 Circuit
- Ballast will source a maximum of 250uA for control needs

Manufactured in North America

Ballast must be grounded in accordance with national and local electrical codes

Control Wiring

- Use Purple (+) & Gray (-) for connection to 0-10vDC.
- Ballast protected if line voltage is applied.
- Wiring Purple & Gray together provides 3% light output.
- Capping Purple & Gray separately provides 100% light output.

