



ANALOG DIMMING **ELECTRONIC BALLAST** 0 to 10 vDC CONTROL

# B128PUNVSV3-D

# APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency dimming electronic ballast for (1) F28T5 lamps

Secondary Applications: (1) F21T5 lamp

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

Lamp			Max/Min		Min Start	Full Bright			
Туре	Qty	Input Voltage	Ballast Factor	Input Power [Watts]	Temp °F/°C	Line Current [Amps]	Max Thd [%]	Crest Factor	BEF
F28T5	1	120	1.00/.03	32/6	50/10	0.27	< 10	< 1.7	3.13
F28T5	1	277	1.00/.03	32/6	50/10	0.12	< 10	< 1.7	3.13
F28T5ES (25W)	1	120	1.00/.03	29/6	50/10	0.25	< 10	< 1.7	3.45
F28T5ES (25W)	1	277	1.00/.03	29/6	50/10	0.12	< 10	< 1.7	3.45
F21T5	1	120	1.01/.03	25/6	50/10	0.21	< 10	< 1.7	4.04
F21T5	1	277	1.01/.03	25/6	50/10	0.10	< 10	< 1.7	4.04

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

### 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: Red: 3 ft

Blue: 6 ft

· 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:**

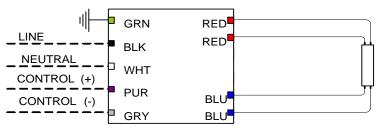
- · 10 to 0 vDC Voltage Control
- 10v = maximum output
- · Can be wired as Class 1 or Class 2 Circuit
- 0v = minimum output · Ballast will source a maximum of 250uA for control needs
- · Built-in line voltage protection circuit: Deep-dimming condition when line voltage is applied to control leads

# 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.



#### Safety:

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

### **Physical Parameters:**

· Overall length: 16.88" · Mounting length: 16.28" · Width: 1.25" · Height: 1 00" · Weight: 1.25 lbs · Carton Quantity 10