

## B228PU95S50D

### APPLICATION and PERFORMANCE SPECIFICATION

**Description:** High frequency, step-dimming electronic ballast  
**Primary application:** (2) F28T5  
**Secondary applications:** (2) F21T5; (2) F14T5

- Line Voltage: 108vac - 305vac, 50/60Hz
- Series Lamp Operation  
\*60 Hz data

- Programmed Rapid Start
- Active Power Factor Correction

Lamp		Volts	Power Level	Input Watts	Nominal Line Amps	Ballast Factor	Ballast Efficacy Factor	Power Factor	THD %	Crest Factor
Type	#									
F28T5	2	120	100%	60	0.509	0.95	1.58	> 0.95	< 10%	> 1.7
F28T5	2	120	50%	28	0.237	0.34	1.21	> 0.95	< 10%	> 1.7
F28T5	2	277	100%	59	0.218	0.95	1.61	> 0.95	< 10%	> 1.7
F28T5	2	277	50%	28	0.105	0.34	1.21	> 0.95	< 10%	> 1.7
F21T5	2	120	100%	48	0.404	0.99	2.06	> 0.95	< 10%	> 1.7
F21T5	2	120	50%	21	0.179	0.36	1.73	> 0.95	< 10%	> 1.7
F21T5	2	277	100%	47	0.173	0.99	2.10	> 0.95	< 10%	> 1.7
F21T5	2	277	50%	22	0.082	0.36	1.65	> 0.95	< 10%	> 1.7
F14T5	2	120	100%	35	0.289	1.00	2.86	> 0.95	< 10%	> 1.7
F14T5	2	120	50%	16	0.132	0.37	2.30	> 0.95	< 10%	> 1.7
F14T5	2	277	100%	35	0.131	1.00	2.86	> 0.95	< 10%	> 1.7
F14T5	2	277	50%	16	0.063	0.37	2.29	> 0.90	< 10%	> 1.7

Application and Performance Specification Information Subject to Change without Notification.

#### Performance:

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

#### Safety:

- No PCB's
- cUL<sub>US</sub>  
(Class P, Type 1 Outdoor)
- Type CC
- End of lamp life protection with auto-restart

#### Application:

- Minimum Starting Temperature: 50° F, 10° C
- Maximum Ambient Temperature: 104° F, 40° C
- Maximum Case Temperature [at t<sub>ij</sub>]: 167° F, 75° C
- Sound Rated: A
- Remote Mounting: 8 ft. max. lead length, 18 AWG
- Tandem Wiring: Not Recommended

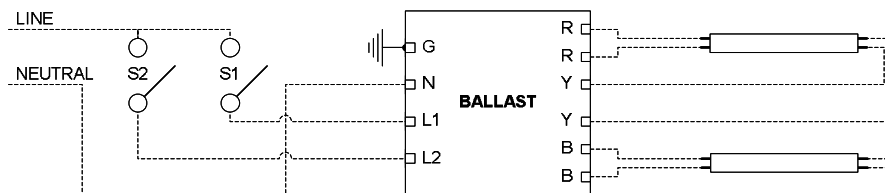
#### Physical Parameters

Length: 16.88"  
 Mounting: 16.28"  
 Width: 1.18"  
 Height: 1.00"  
 Weight: 1.25 lbs  
 Four Input Connectors: L1, L2, N, G  
 Six Load Connectors: (2) ea. Red, Blue, Yellow

#### 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	INPUT POWER
OPEN	OPEN	0%
OPEN	CLOSE	50%
CLOSE	OPEN	50%
CLOSE	CLOSE	100%

**Ballast Must be Grounded**

**S1 & S2 must be wired on same phase.**