

APPLICATION & PERFORMANCE SPECIFICATION Not for use in California*

B232PUNVDV3-A

Description:	High frequency electronic ballast with DALI digital dimming control
Primary lamp application:	2xF32T8
Secondary lamp applications:	2xF25T8, 2xF17T8, 2xF32T8/ES(30W), 2xF28T8, 2xF32T8/ES(25W), 2xF32T8/U6, 2xFBO31T8, 2xFBO24T8,



Features

- Line voltage: 120-277 VAC $\pm 10\%$, 50/60Hz
- Programmed start
- Parallel lamp operation
- Auto-reset & end-of-lamp-life shutdown circuitry
- Control circuit protected from line voltage
- Active power factor correction

Performance

Lamp		Input Watts:		BF		At Full Bright					
Type	Qty	at 120V	Max Min at 277V	Max	Min	Max Amps: 120 277		BEF*	Min PF	Max Thd	Max CF
F32T8	2	66.8	66.0	1.00	0.03	0.58	0.25	1.52	> 0.98	< 10%	< 1.7
		12.0	12.5								
F25T8	2	53.6	53.4	1.01	0.03	0.45	0.20	1.89	> 0.98	< 10%	< 1.7
		11.7	12.3								
F17T8	2	38.1	37.6	1.01	0.03	0.33	0.14	2.69	> 0.98	< 10%	< 1.7
		16.4	17.0								
F32T8ES/30W	2	62.8	62.1	1.02	0.03	0.55	0.24	1.64	> 0.98	< 10%	< 1.7
		12.0	12.5								
F28T8	2	57.0	55.6	1.02	0.03	0.51	0.22	1.83	> 0.98	< 10%	< 1.7
		11.8	12.2								
F32T8ES/25W	2	54.2	53.9	1.02	0.03	0.47	0.20	1.89	> 0.98	< 10%	< 1.7
		12.0	12.6								
F32T8/U	2	68.6	65.9	1.00	0.03	0.59	0.26	1.52	> 0.98	< 10%	< 1.7
		11.6	12.2								
F31T8/U	2	65.4	63.2	0.97	0.03	0.56	0.24	1.53	> 0.98	< 10%	< 1.7
		11.8	12.4								
F24T8/U	2	50.5	49.1	1.01	0.03	0.43	0.18	2.06	> 0.98	< 10%	< 1.7
		12.7	13.3								

Application and operation performance specification information subject to change without notification
 All data taken at 100% Light Level unless otherwise noted
 Note: Check with lamp manufacturer for suitability of energy saving lamps in dimming applications

*BEF calculated at lowest full bright input power

B232PUNDV3-A

Standards, Listings & Compliance

- UL Listed for US & Canadian application: cUL_{US}
- Class P, Type 1 Outdoor, Type CC, Type HL
- FCC CFR 47 Part 18 for EMI and RFI non-consumer limits
- ANSI Standard C82.11
- Sound Rated: Class A
- ANSI Standard C62.41
- Contains no PCB's
- RoHS Compliant

Application

- Minimum starting temperature: 32°F/0°C
Energy Saving Lamps: 60°F/16°C
- Maximum ambient temperature: 104°F/40°C
- Maximum case temperature at t_c : 167°F/75°C
- Remote mounting: 8ft max - ballast case to lamp holder
- Tandem wiring: not recommended

Dimensions

- Overall length: 9.50-in
- Overall width: 1.71-in
- Overall height: 1.18-in
- Mounting Length: 8.90-in
- Weight: 1.35-lb

Leads

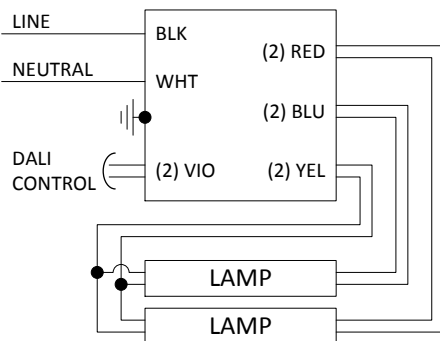
- Black, White: 25 ± 1-in
- Violet (2): 25 ± 1-in
- Red, Blue: 33 ± 1-in
- Yellow: 47 ± 1-in
- All: 18AWG 600V Solid Cu

* A short stabilization period may be needed for temperatures below 10°C

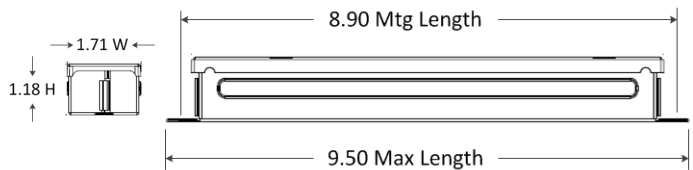
Control

- Compatible DALI protocol: IEC 62386
- Apply DALI control circuit to VIOLET wires or to connectors marked DA
- Control circuit listed for Class 1 or Class 2 wiring
- Control wires protected against inadvertent connection to line voltage

Connections



Dimensions (inches)

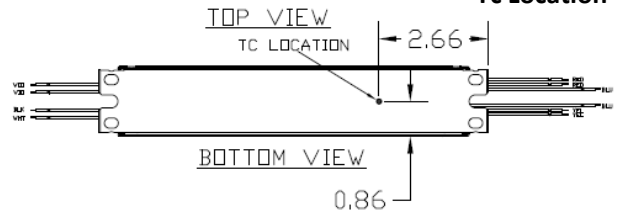


Note: Nominal dimensions. Contact Universal for drawings and/or tolerances

Installation

- Ballast must be grounded – a star washer or other paint penetrating device is required
- Ballast must be installed in accordance with national and local electrical codes
- Manufactured in North America by Universal Lighting Technologies

T_c Location



* Products manufactured with a date code later than 1626 are not to be installed in California per CEC Title 20.

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.