



ELECTRONIC BALLAST | ANALOG DIMMING | 0-10V CONTROL

## **APPLICATION & PERFORMANCE SPECIFICATION**

## B254PUSV3PLD

Description:

High frequency electronic ballast with analog dimming control (0-10V) 2xF54T5HO

Primary lamp application: Secondary lamp applications:

1xF54T5HO, (2/1) F54T5HOES (49W), (2/1) F55W/2G11 and (2/1) FC55T5HO

## Features

• Line voltage: 120-277 VAC ±10%, 50/60Hz Auto-reset & end-of-lamp-life shutdown circuitry

· Programmed start · Control circuit protected from line voltage  Parallel lamp operation Active power factor correction

Performance											
Lamp		Input Watts:	<u>Max</u> Min	BF		At Full Bright					
Туре	Qty	at 120V	at 277V	Max	Min	Max Amps: 120 277		BEF	Min PF	Max Thd	Max CF
F54T5HO	2	116	112	1.00	0.05	0.98	0.42	0.89	99	10%	< 1.7
		20	20								
	1	54	56	1.00	0.05	0.46	0.21	1.85	97	10%	< 1.7
		15	15								
F54T5HOES (49W)	2	102	101	1.00	0.05	0.86	0.38	0.99	99	10%	< 1.7
		18	20								
	1	52	53	1.00	0.05	0.44	0.20	1.92	96	10%	< 1.7
		14	14								
F55W/2G11	2	109	105	0.90	0.05	0.89	0.38	0.86	99	10%	< 1.7
		18	19								
	1	58	58	0.90	0.05	0.47	0.21	1.55	97	10%	< 1.7
		12	12								
FC55T5HO	2	105	103	0.90	0.05	0.86	0.37	0.87	98	10%	< 1.7
		17	18								
	1	54	53	0.90	0.05	0.45	0.19	1.70	96	10%	< 1.7
		13	14								
Application and operation p	performance	specification inf	ormation subjec	t to change with	nout notification			*BE	F calculated at	lowest full brig	ht input power

Application and operation performance specification information subject to change without notification

All data taken at 100% Light Level unless otherwise noted

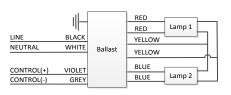
Note: Check with lamp manufacturer for suitability of energy saving lamps in dimming applications

ANSI Standard C82.11	<ul> <li>Contains no PCB's</li> </ul>				
<ul> <li>Sound Rated: Class A</li> </ul>	<ul> <li>RoHS Compliant</li> </ul>				
<ul> <li>ANSI Standard C62.41</li> </ul>	NEMA Premium				
Dimensions	Leads				
Overall length: 16.88-in	Ballasts are equipped with color				
Overall width: 1.18-in	coded connectors for making				
Overall height: 1.00-in	lamp connections				
Mounting Length: 16.28-in					
• Weight: 1.25-lb					
	Sound Rated: Class A     ANSI Standard C62.41  Dimensions      Overall length: 16.88-in     Overall width: 1.18-in     Overall height: 1.00-in     Mounting Length: 16.28-in				

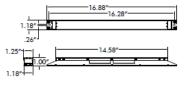
Control

- Apply DC voltage to Violet (pos) & Gray (neg) for control
- 0V for minimum intensity, 10V for maximum intensity
- · Control circuit listed for Class 1 or Class 2 wiring
- · Controller must be capable of sinking current supplied by ballast - Maximum 250 $\!\mu a$  sourced on Violet and returned on Gray

Connections



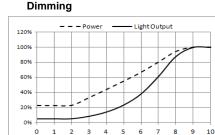
For one lamp applications use only the R and Y terminals



**Dimensions (inches)** 

Note: Nominal dimensions provided above

Contact Universal for drawings and/or tolerances



Control Voltage [VDC]

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

## 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.