

**APPLICATION & PERFORMANCE SPECIFICATION**

**B254PUSV3PLD**

<b>Description:</b>	High frequency electronic ballast with analog dimming control (0-10V)
<b>Primary lamp application:</b>	2xF54T5HO
<b>Secondary lamp applications:</b>	1xF54T5HO, (2/1) F54T5HOES (49W), (2/1) F55W/2G11 and (2/1) FC55T5HO

<b>Features</b>		
• Line voltage: 120-277 VAC ±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

<b>Performance</b>											
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
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
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
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
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 performance specification information subject to change without notification \*BEF calculated at lowest full bright input power  
 All data taken at 100% Light Level unless otherwise noted  
 Note: Check with lamp manufacturer for suitability of energy saving lamps in dimming applications

<b>Standards &amp; Listings</b>		
• cUL <sub>US</sub> Listed	• ANSI Standard C82.11	• Contains no PCB's
Class P, Type 1 Outdoor, Type CC	• Sound Rated: Class A	• RoHS Compliant
• FCC CFR 47 Part 18 for EMI and RFI non-consumer limits	• ANSI Standard C62.41	• NEMA Premium

<b>Application</b>	<b>Dimensions</b>	<b>Leads</b>
<ul style="list-style-type: none"> <li>Minimum starting temperature: 32°F/0°C</li> <li>Energy Saving Lamps: 60°F/16°C</li> <li>Maximum ambient temperature: 104°F/40°C</li> <li>Maximum case temperature at t<sub>c</sub>: 167°F/75°C</li> <li>Remote mounting: 8ft max - ballast case to lamp holder</li> <li>Tandem wiring: not recommended</li> </ul>	<ul style="list-style-type: none"> <li>Overall length: 16.88-in</li> <li>Overall width: 1.18-in</li> <li>Overall height: 1.00-in</li> <li>Mounting Length: 16.28-in</li> <li>Weight: 1.25-lb</li> </ul>	Ballasts are equipped with color coded connectors for making lamp connections

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

<b>Control</b>		
<ul style="list-style-type: none"> <li>Apply DC voltage to Violet (pos) &amp; Gray (neg) for control</li> <li>0V for minimum intensity, 10V for maximum intensity</li> </ul>	<ul style="list-style-type: none"> <li>Control circuit listed for Class 1 or Class 2 wiring</li> <li>Controller must be capable of sinking current supplied by ballast</li> <li>Maximum 250µa sourced on Violet and returned on Gray</li> </ul>	

<p><b>Connections</b></p> <p>For one lamp applications use only the R and Y terminals</p>	<p><b>Dimensions (inches)</b></p> <p>Note: Nominal dimensions provided above Contact Universal for drawings and/or tolerances</p>	<p><b>Dimming</b></p>
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**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.