

# T5HO Electronic Ballasts for High Bay Installations



Universal's **AccuStart®5HB** ballasts are designed specifically for the demanding high ambient applications where today's T5HO high lumen fluorescent systems are specified. Designed with high efficiency electronic technology and constructed for maximum thermal dissipation, these ballasts can provide long reliable service in high temperature installations where HID systems are typically installed.

4-Lamp T5HO systems save 228 watts per fixture compared to standard 400 watt metal halide systems while improving the quality of light with long life fluorescent lamps. Since **AccuStart®5HB** ballasts use programmed start technology, they can be used with occupancy sensors or other switching systems for even greater energy savings. All 4-lamp **AccuStart®5HB** ballasts feature inboard/outboard switching leads that allow separate control of two lamps for greater application flexibility. Additionally, these ballasts feature installer-friendly universal input voltage to minimize field installation issues.

**AccuStart®5HB's** high efficiency technology transfers more power to the lamps and generates less heat in the ballast. Combining this technology with long life components and a construction that draws heat away from the electronic components and into the fixture, **AccuStart®5HB** ballasts are designed to perform reliably in the toughest applications. This family of ballasts is designed and warranted for use in high ambient temperatures with a maximum case temperature of 90°C. For tough, high temperature conditions, **AccuStart®5HB** is the ballast.

## Features & Benefits

- Rugged HB construction Maximizes heat transfer to the luminaire Provides reliable operation in high ambient temperatures.
- High efficiency technology Maximizes energy savings Cooler ballast operation provides longer life.
- Wide ambient temperature range Suitable for cold temperature applications 90°C maximum allowable case temperature.
- Universal input voltage: 120 – 277 volt operation Minimizes ordering and installation confusion.
- Programmed start technology Compatible with occupancy sensors Maintains lamp life in frequently switched applications.
- Lamp switching control lead (4-Lamp) Allows for inboard/outboard switching with a single ballast 4/2, 3/2, or 3/1 switching combinations.
- Low THD (<10%), High PF (>.98) Meets stringent power quality specifications End-of-lamp-life shutdown circuitry with auto re-strike.
- Provides safe operation when lamps fail Ignites new lamps upon installation.
- Series / Parallel lamp operation (4-lamp) Maintains light output when one lamp fails.



## Performance Specifications

Part Number	F54T5HO Lamp Qty	Input Voltage	Power (Watts)	Input Current (Amps)	Ballast Factor	THD	Power Factor	Min Start Temp	Dim.	Wiring Diagram
B254PUNVHB-D	2	120	120	1.03	1.00	<10%	>0.98	-20°F/-29°C	D	1
	2	277	117	0.43	1.00					
B454PUNVHB-E	3	120	184	1.52	1.05	<10%	>0.98	-20°F/-29°C	E	3,4
	3	277	182	0.66	1.05					
B454PUNVHB-E	4	120	235	1.96	1.00	<10%	>0.98	-20°F/-29°C	E	2
	4	277	229	0.84	1.00					
B254PHRVHB-E	2	347	120	0.35	1.00	<10%	>0.98	-20°F/-29°C	E	1
	2	480	119	0.26	1.00					

## Dimensions

Case Style	Mounting Length	Overall Length	Width	Height	Wiring Connection
D	16.28"	16.88"	1.18"	1.00"	w/ Connectors
E	16.28"	16.88"	1.74"	1.18"	w/ Leads

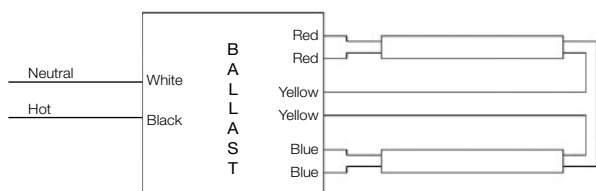


Diagram 1

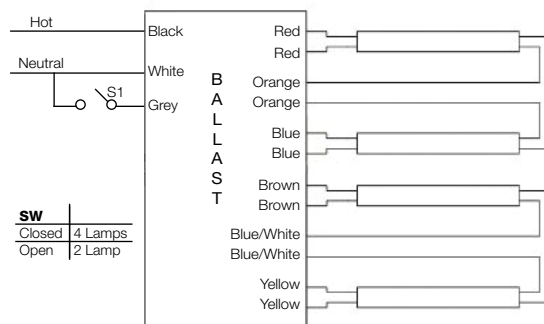


Diagram 2

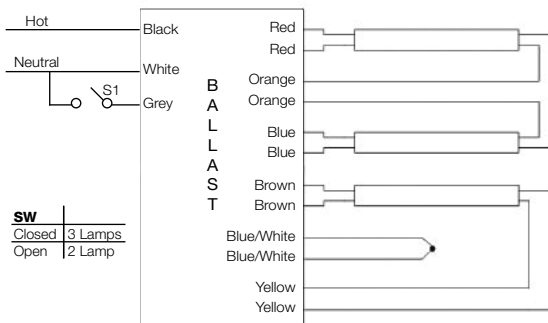


Diagram 3

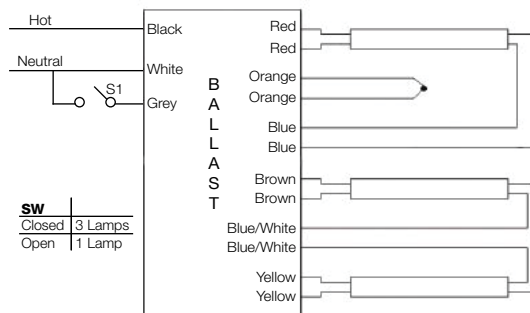


Diagram 4