

# AccuStart®

A Triad® Brand

## Universal Voltage Programmed Rapid Start Ballasts



### Technology Breakthrough Maximizes Lamp Life

Universal Lighting Technologies' AccuStart® electronic ballast design incorporates Programmed Rapid Start technology. This technology reduces the overall impact on fluorescent lamp life in frequently switched applications by properly heating the filaments and minimizing glow current during the starting process.

While AccuStart® is the industry's leading technology for frequently switched and short-cycle applications (classrooms, restrooms, occupancy sensor applications, copier/file storage rooms, etc.), it is also the smart choice for today's rapid start installations. Advancements in this technology can improve lamp life by 50% in applications where lights are turned on and off frequently. Lamps operated with AccuStart® ballasts have an estimated rated life of 18,000 hours vs. 9,000–12,000 hours for typical Instant Start and Rapid Start ballasts when operated on short, 45-minute cycles.

AccuStart® offers installer-friendly universal input voltage (108–305 volts) and THD <10%. It's the first Programmed Rapid Start ballast family available for 1–4 lamps. Its small, low profile package is easy to install and is also ideal for thin profile fixtures.

### Features and Benefits

- Universal Lighting's Programmed Rapid Start technology virtually eliminates the negative effects of improperly starting a fluorescent lamp by heating the filaments and minimizing glow current to maintain lamp life.
- The industry's premier technology outperforms both Rapid Start and Instant Start ballasts for short-cycle and frequently switched applications.
- AccuStart® technology minimizes "glow current"—a by-product of today's Rapid Start ballasts that causes end-blackening in lamps.
- Longer life means a reduction in replacements, maintenance costs and the hassles associated with changing lamps.
- Installer-friendly universal input voltage (108–305 volts) ensures you always have the right ballast for every application, reducing your inventory requirements.
- Low profile design optimizes today's T8 luminaires— and AccuStart's small cross section and size make it ideal for thin profile fixtures.
- THD <10%
- Rh/Rc ratio of >4.0  
— Assures cathodes are at the proper starting temperature when ignition occurs to maintain long lamp life.

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Catalog Number	Lamp Type	Qty	Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Total Harmonic Distortion	Wiring Diag.
<b>B132PUNVHP-A</b>									
F32T8		1	120	31	0.26	>.99	.88	<10%	1
F32T8		1	277	30	0.11	>.98	.88	<10%	1
F32T8/ES		1	120	28	0.23	>.99	.88	<10%	1
F32T8/ES		1	277	28	0.10	>.98	.88	<10%	1
F25T8		1	120	24	0.20	>.99	.91	<10%	1
F25T8		1	277	24	0.09	>.98	.91	<10%	1
F17T8		1	120	17	0.15	>.99	.91	<10%	1
F17T8		1	277	17	0.07	>.96	.91	<15%	1
<b>B232PUNVHP-A</b>									
F32T8		2	120	62	0.52	>.99	.88	<10%	2
F32T8		2	277	60	0.22	>.98	.88	<10%	2
F32T8/ES		2	120	60	0.50	>.99	.88	<10%	2
F32T8/ES		2	277	58	0.21	>.98	.88	<10%	2
F32T8		1	120	32	0.27	>.99	1.00	<10%	2
F32T8		1	277	32	0.12	>.95	1.00	<15%	2
F25T8		2	120	47	0.40	>.99	.94	<10%	2
F25T8		2	277	46	0.17	>.97	.94	<10%	2
F17T8		2	120	34	0.28	>.99	.95	<10%	2
F17T8		2	277	34	0.13	>.95	.95	<15%	2
<b>B332PUNVHP-A</b>									
F32T8		3	120	92	0.77	>.99	.88	<10%	3
F32T8		3	277	90	0.34	>.95	.88	<10%	3
F32T8/ES		3	120	87	0.73	>.99	.88	<10%	3
F32T8/ES		3	277	85	0.32	>.95	.88	<10%	3
F32T8		2	120	64	0.54	>.99	.99	<10%	3
F32T8		2	277	63	0.24	>.90	.99	<10%	3
F32T8/ES		2	120	61	0.51	>.99	.99	<10%	3
F32T8/ES		2	277	60	0.23	>.90	.99	<10%	3
F25T8		3	120	70	0.58	>.99	.92	<10%	3
F25T8		3	277	70	0.26	>.95	.92	<10%	3
F17T8		3	120	49	0.41	>.99	.93	<10%	3
F17T8		3	277	48	0.19	>.90	.93	<10%	3
<b>B432PUNVHP-A</b>									
F32T8		4	120	119	1.00	>.99	.88	<10%	4
F32T8		4	277	115	0.42	>.98	.88	<10%	4
F32T8/ES		4	120	114	0.95	>.99	.88	<10%	4
F32T8/ES		4	277	110	0.41	>.95	.88	<10%	4
F32T8		3	120	92	0.77	>.99	.93	<10%	4
F32T8		3	277	90	0.34	>.95	.93	<10%	4
F32T8/ES		3	120	87	0.73	>.99	.93	<10%	4
F32T8/ES		3	277	85	0.32	>.95	.93	<10%	4
F25T8		4	120	92	0.77	>.99	.89	<10%	4
F25T8		4	277	89	0.33	>.95	.89	<10%	4
F17T8		4	120	63	0.53	>.99	.91	<10%	4
F17T8		4	277	62	0.24	>.90	.91	<10%	4

Note: Minimum starting temperature—(0° F for T8 and 60° F for T8/ES Lamps)

## WIRING DIAGRAMS FOR ACCUSTART BALLASTS

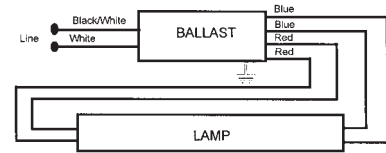


Diagram 1

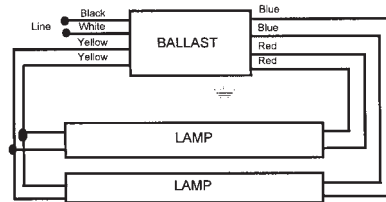


Diagram 2

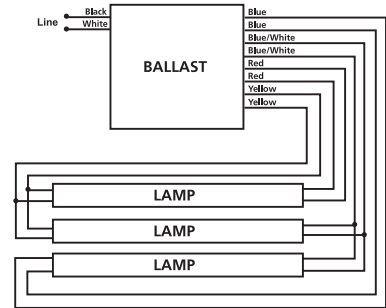


Diagram 3

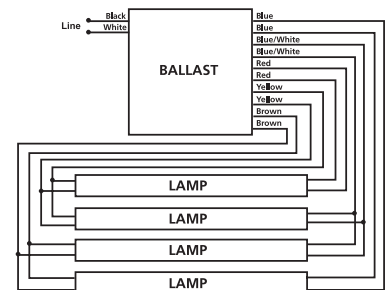


Diagram 4



### It's Easy To Reach Us...

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