

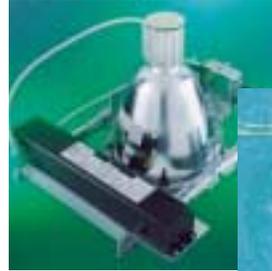


The benefits of Pulse-Start Metal Halide now available for downlighting and other indoor commercial applications

Metal Halide Ballasts

Function

Advance Transformer developed the pulse-start F-can ballast to help bring the performance of pulse-start metal halide to applications such as downlighting, indirect lighting, and other indoor commercial installations. Each ballast features 120/277v, 60hz dual-voltage input and Advance's exclusive Xtenza™ wide-range ignitor technology for remote mounting capability.



Design Highlights

- Pulse-start F-can ballasts utilize a SuperCWA (constant wattage autotransformer) circuit design to deliver improved metal halide performance. All components (two-coil autotransformer ballast, dry-film capacitor, and ignitor) are completely self-contained.
- Pulse-start F-can ballasts are UL Listed and CSA Certified for safety and are designed to meet both existing as well as newly-proposed pulse-start ANSI specifications.
- SuperCWA F-can ballasts provide an optimal combination of operating parameters: higher sustaining characteristics, good regulation and voltage dip tolerance, lower ballast losses, lower crest factor, faster run-up and quicker re-strike.
- Exclusive Xtenza™ wide-range ignitor technology ensures worry-free remote mounting capability for ballast-to-lamp distances from 0 to 50 ft.
- Thermally-protected, pulse-start F-can ballasts are available for 175, 250, 320, 350 and 400 watt pulse-start lamps.

Applications

- Downlighting
- Indirect lighting
- Noise-sensitive areas (libraries, schools, etc.)

Features	Benefits
Pulse-start technology vs. traditional probe-start	<ul style="list-style-type: none"> • Increased lumens per watt and higher lumen maintenance <ul style="list-style-type: none"> - Maximizes energy savings - Lower energy costs • Greater color stability and better lamp-to-lamp color consistency <ul style="list-style-type: none"> - Higher quality of light for retail and commercial applications - Minimizes color variations in indirect lighting
Faster run-up (2 min. vs. standard 4 min.)	<ul style="list-style-type: none"> • Minimizes stress on a lamp electrodes <ul style="list-style-type: none"> - Extends lamp life
Quick re-strike after momentary outage (3-4 min. vs. standard 15-20 min.)	<ul style="list-style-type: none"> • Less time in the dark <ul style="list-style-type: none"> - Enhances safety - Minimizes down time
Self-contained Xtenza™ wide-range ignitor	<ul style="list-style-type: none"> • Meets ANSI requirements for pulse height and width at all ballast-to-lamp distances from 0 to 50 ft. <ul style="list-style-type: none"> - Provides flexibility for remote mount applications - Ensures reliable lamp starting
Industry standard profile	<ul style="list-style-type: none"> • Fits existing fixtures <ul style="list-style-type: none"> - Fixture manufacturers can go to market immediately - Retrofits are easy
Auto-reset thermal protection	<ul style="list-style-type: none"> • Safely and quickly interrupts power to the ballast

Advance Pulse-Start F-can Ballast Specifications

with internal Xtenza™ wide-range ignitor, 120/277V, 60hz, min. starting temperature: -40°F/-40°C

Input Voltage	Catalog Number*	Circuit Type	Input Amps			Input Watts	Nom. Open Circuit Voltage	Fuse Rating (Amps)	Dimensions			Hot Spot Locations** (inches)	Total Weight (lbs)	Max. Dist. To Lamp (ft.)
			Operating	Starting	Open Circuit				Overall Length	Case Length	Mounting Dim.			
175W LAMP, ANSI CODE M137/M152													SOUND RATING B	
◆ NEW 120/277	72C5582-NP	SuperCWA	1.7/1.8	.9/1.4	2.2/1.9	205	300	5/3	14.30	13.13	13.75	5.0, 8.0	15.5	50
250W LAMP, ANSI CODE M138/M153													SOUND RATING B	
◆ NEW 120/277	72C5783-NP	SuperCWA	2.8/1.2	2.5/1.1	1.9/1.8	290	300	8/3	16.70	15.50	16.13	5.0, 8.5	18.0	50
320W LAMP, ANSI CODE M132/M154													SOUND RATING C	
◆ NEW 120/277	72C5882-NP	SuperCWA	3.4/1.5	2.8/1.2	1.6/1.7	370	270	8/3	19.20	18.00	18.63	6.0, 11.0	21.0	50
350W LAMP, ANSI CODE M131													SOUND RATING C	
◆ NEW 120/277	72C5983-NP	SuperCWA	3.7/1.7	2.5/1.2	3.9/1.7	410	310	10/4	19.20	18.00	18.63	1.5, 5.0 or 12.5, 15.5	24.0	50
400W LAMP, ANSI CODE M135/M155													SOUND RATING C	
◆ NEW 120/277	72C6182-NP	SuperCWA	4.1/1.8	2.9/1.3	3.9/1.7	465	310	10/4	19.20	18.00	18.63	1.5, 5.0 or 12.5, 15.5	24.0	50

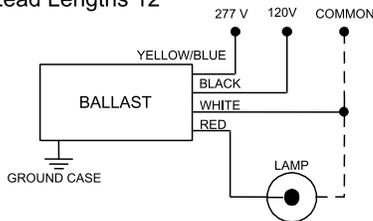
* To order replacement ballasts in individual cartons, add suffix -001 to catalog number shown.

** Hot spot location is on top of the case, measured from the left edge (lead wires exit on left).

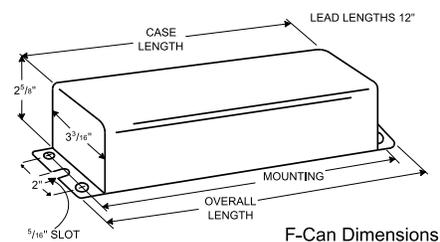
Application Notes

- All Advance F-can ballasts employ a UL Class 105 (Class A) insulation system. The external case temperature must not exceed 90°C in the end application.
- When retrofitting pulse-start F-can ballasts into existing probe-start fixtures, verify the lamp socket is pulse-rated for 4kV.
- For proper heat dissipation, 350W and 400W ballasts must be oriented horizontally. Although horizontal orientation is also preferred for wattages less than 350W, vertical mounting is possible. In such cases, lead wires should exit on top. The distance between ballasts when cluster mounted must be at least 12 inches.
- When used with 277-volt systems, the 120-volt input tap may be used to power incandescent standby lighting. Maximum incandescent wattage must be no greater than the nominal metal halide lamp wattage rating of the ballast.
- The case of the ballast should be properly grounded.

All Lead Lengths 12"

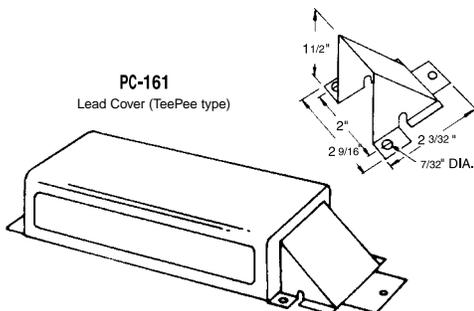


Wiring Diagram

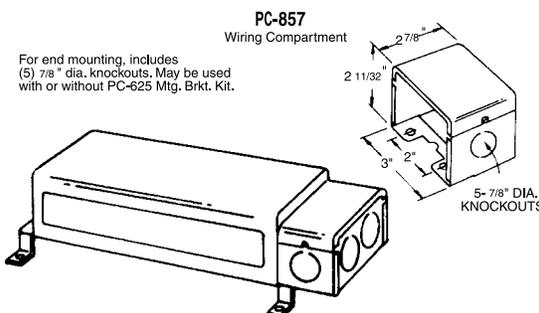


F-Can Dimensions

Popular Accessories (order separately)



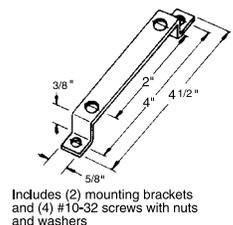
PC-161
Lead Cover (TeePee type)



PC-857
Wiring Compartment

For end mounting, includes (5) 7/8" dia. knockouts. May be used with or without PC-625 Mtg. Brkt. Kit.

PC-625 Mounting Bracket Kit



Includes (2) mounting brackets and (4) #10-32 screws with nuts and washers



Specifications subject to change without notice.
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Form No. HI-4060-R01

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