



Plastic-Sign Ballasts

For T12/HO Rapid Start Fluorescent Lamps



magnetic ballasts

Maximum



Six Advance SKU's operate 147 different lamp combinations.

Performance

under all Weather Conditions



Advance Fluorescent Ballast Line for Plastic-Sign Applications

Premium Performance for the Long Haul

Advance Plastic-Sign ballasts are designed with several advanced features that ensure efficient operation, resulting in long ballast life and outstanding reliability.

With 50-plus years of leadership in ballast technology, Advance has plenty of know-how when it comes to quality ballast designs. All Plastic-Sign ballasts are built using high-grade steel laminations and copper coils, which are vacuum impregnated.

This impregnation process drives insulation into the ballast coils to eliminate air pockets, aid the dissipation of heat and protect against moisture. The bottom line benefits are extended ballast life and enhanced reliability.

Built to Perform

Advance Plastic-Sign ballasts are designed to provide low temperature starting, down to -20 degrees F, for all outdoor applications.

Ballast construction includes a corrosion-resistant white case finish for added weather resistance.

UL Type 2 Outdoor listing allows greater flexibility when designing a sign. All models meet UL Class P requirements for safe, reliable operation.

Six Models for All Applications

The Plastic-Sign line's "magnificent six" from Advance cover most all plastic sign applications for 4 to 48 feet in lamp length, making it unnecessary to stock a wide variety of SKU's. Six models cover 147 different lamp combinations, which translates to lower stocking requirements. Ballasts are available to operate from 1 to 6 lamps per ballast.

Versatile Wiring Options

Advance Plastic-Sign ballasts are designed with the sign builder and installing electrician in mind.

The ballasts feature special integral anchor tabs on each ballast to secure the optional wiring compartments.

Wiring compartments come in two convenient options. The PC161W "tepee" lead cover is ideal for situations where space is at a premium. The PC857W "j-box" style wiring compartment with five 7/8" knockouts offers maximum flexibility in wiring. The integral anchor tabs on the ballast make the installation of the PC857W literally a snap.

Advance Quality Throughout

The Plastic-Sign ballast line offers a two-year warranty backed by Advance and the industry's most extensive distributor network. It all adds up to a package you can count on...even through the toughest weather conditions.

Advance Plastic-Sign ballasts are built for reliable operation in all forms of weather.



& Protection

User-Friendly Catalog Numbers

ASB	06	20	24	BL	BL
					Thermally Protected
					Bottom Leads
					# of lamps (2, 3, 4)
					Maximum Lamp Footage
					Minimum Lamp Footage
ADVANCE Plastic-Sign Ballast					

Specifications

Lamp Data			Min. Starting Temp. (°F)	Input Volts	Catalog Number	Max. Line Current (Amps)	Max. Input Power (Watts)	Open Circuit Volts	Dim.	Wiring Diag.	Weight (lbs.)
No. of Lamps	Lamp Footage										
	Min	Max									
1, 2	4	12	-20	120	ASB-0412-12-BL-TP	1.48	175	480	BL-1	21,39	12
2,3,4	6	20			ASB-0620-24-BL-TP	2.56	304	590	BL-1	5,8,13	12
2,3,4	12	24			ASB-1224-24-BL-TP	2.70	312	785	BL-2	7,9,13	14
2,3,4	20•	40•			ASB-2040-24-BL-TP	4.00	472	600	BL-3	5,9,13	21
4,5,6	12▼	40▼			ASB-1240-46-BL-TP	3.90	462	600	BL-3	14,15,19	21
4,5,6	24■	48■			ASB-2448-46-BL-TP	5.19	604	700	BL-3	14,15,19	21

- Total lamp length of each circuit (A) and (B) must not be less than 10 ft. nor more than 20 ft. Circuit (A) is comprised of lamps 1,2. Circuit (B) is comprised of lamps 3,4. (See wiring diagrams)
- ▼ Total lamp length of each circuit (A) and (B) must not be less than 6 ft. nor more than 20 ft. Circuit (A) is comprised of lamps 1,2,3. Circuit (B) is comprised of lamps 4,5,6. (See wiring diagrams)
- Total lamp length of each circuit (A) and (B) must not be less than 12 ft. nor more than 24 ft. Circuit (A) is comprised of lamps 1,2,3. Circuit (B) is comprised of lamps 4,5,6. (See wiring diagrams)

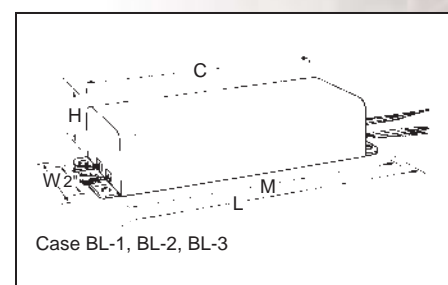
Ballast Selection Guide

		Total Lamp Feet																									
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	
Number of Lamps per Ballast	1,2						ASB-0412-12-BL-TP																				
	2,3,4																										
	2,3,4																										
	2,3,4																										
	4,5,6																										
	4,5,6																										

To select the ballast for your particular plastic sign application:

- 1.) Determine the total number of lamp feet required (from 4 to 48 feet) and read down to select the proper Advance Catalog Number. Note that the first ballast you come to, reading down the chart, will be the most economical for your application.
- 2.) The number of lamps per ballast is shown in the left column.

Designation	Dimension (inches)			
	Length (L)	Width (W)	Height (H)	Mounting (M)
BL-1	11 3/4	3 3/16	2 5/8	11 9/64
BL-2	14 5/16	3 3/16	2 5/8	13 3/4
BL-3	19 3/16	3 3/16	2 11/16	18 5/8



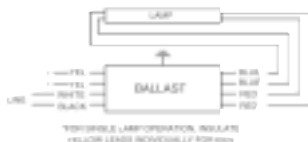
PLASTIC-SIGN BALLASTS

For T12/HO Rapid Start Lamps

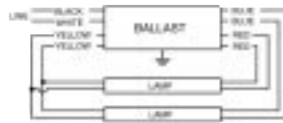
Plastic-Sign Ballast Specifications

1. The ballast shall be Advance Plastic-Sign electromagnetic core & coil design.
2. The ballast shall be provided with integral leads, color-coded to ANSI standard C82.1 (latest version).
3. The ballast shall operate from a nominal line voltage of 120 volts +/- 10%, 60 Hz.
4. The ballast shall operate the lamps at 60 Hz.
5. The ballast shall have a Power Factor greater than 90% at maximum input power.
6. The ballast shall start the lamps at a minimum temperature of -20°F/-29°C.
7. The ballast shall comply with all applicable state and federal efficiency standards.
8. The ballast shall be Underwriters Laboratories (UL) listed (Class P, Type 2 Outdoor) and CSA Certified.
9. The ballast shall be specified Advance or equal.
10. The ballast shall not contain Polychlorinated Biphenyls (PCB's).
11. The ballast shall carry a two-year warranty.
12. The manufacturer shall be a full-line ballast manufacturer with 50 years or more of ballast manufacturing experience.

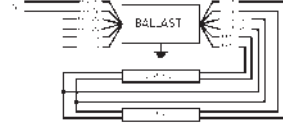
Wiring Diagrams



Diag. 39

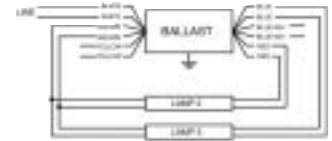


Diag. 21



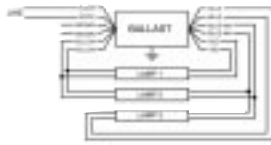
Note: Insulate unused leads individually as shown on ballast label.

Diag. 5



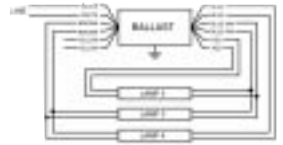
Note: Insulate unused leads individually as shown on ballast label.

Diag. 7



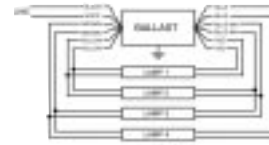
Note: Insulate unused leads individually as shown on ballast label.

Diag. 8

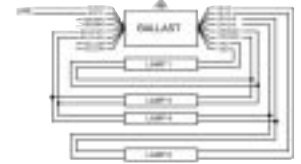


Note: Insulate unused leads individually as shown on ballast label.

Diag. 9



Diag. 13



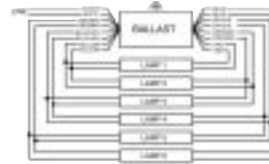
Note: Insulate unused leads individually as shown on ballast label.

Diag. 14

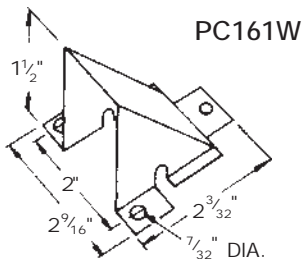


Note: Insulate unused leads individually as shown on ballast label.

Diag. 15

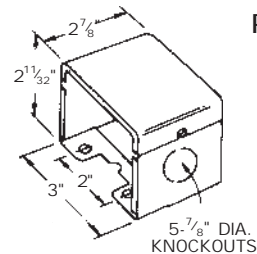


Diag. 19



PC161W

Wiring Compartments



PC857W

