

Magnetic 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°F	120	ASB-0412-12-BL-TP	1.48	175	480	BL-1	21, 39	12
				277	VSB-0412-12-BL-TP	0.65					
2, 3, 4	6	20		120	ASB-0620-24-BL-TP	2.56	304	720	BL-1	5, 8, 13	12
				277	VSB-0620-24-BL-TP	1.12					
2, 3, 4	12	24		120	ASB-1224-24-BL-TP	2.70	312	785	BL-2	7, 9, 13	14
				277	VSB-1224-24-BL-TP	1.15					
2, 3, 4	20•	40•		120	ASB-2040-24-BL-TP	4.00	472	720	BL-3	5, 9, 13	21
				277	VSB-2040-24-BL-TP	1.75					
3, 4	24	32		120	ASB-2432-34-BL-TP	3.30	370	975	BL-4	8, 13	21
				277	VSB-2432-34-BL-TP	1.70					
4, 5, 6	12▼	40▼		120	ASB-1240-46-BL-TP	3.90	462	720	BL-3	14, 15, 19	21
				277	VSB-1240-46-BL-TP	1.70					
4, 5, 6	24■	48■	120	ASB-2448-46-BL-TP	5.19	604	720	BL-3	14, 15, 19	21	
			277	VSB-2448-46-BL-TP	2.25						



- 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)

Note: See Page 8 for Dimensions and 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 VSB-0412-12-BL-TP																								
	2,3,4		ASB-0620-24-BL-TP VSB-0620-24-BL-TP																							
	2,3,4			ASB-1224-24-BL-TP VSB-1224-24-BL-TP																						
	2,3,4					ASB-2040-24-BL-TP VSB-2040-24-BL-TP																				
	3,4										ASB-2432-34-BL-TP															
	4,5,6										ASB-1240-46-BL-TP VSB-1240-46-BL-TP															
	4,5,6																					ASB-2448-46-BL-TP VSB-2448-46-BL-TP				

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.

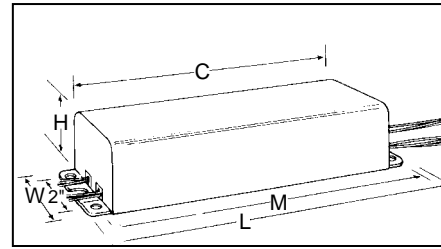
Magnetic Sign Ballast Specifications

1. The ballast shall be Advance signPRO 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 or 277 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.

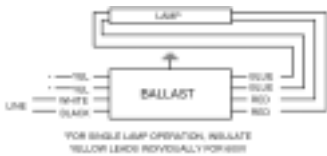


Ballast Dimensions and Diagrams

Designation	Dimension (inches)			
	Length (L)	Width (W)	Height (H)	Mounting (M)
BL-1	11.75	3.19	2.63	11.13
BL-2	14.30	3.19	2.63	13.75
BL-3	19.20	3.19	2.69	18.63
BL-4	16.70	3.19	2.63	16.13



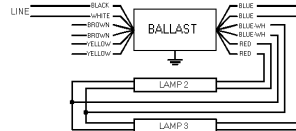
Wiring Diagrams



Diag. 39

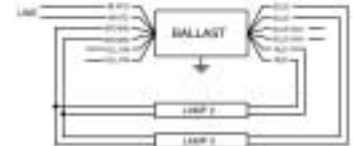


Diag. 21



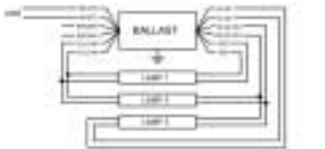
Note: Insulate unused leads individually as shown on ballast label.

Diag. 5



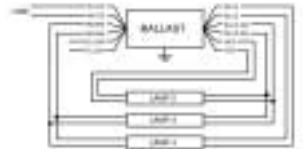
Note: Insulate unused leads individually as shown on ballast label.

Diag. 7



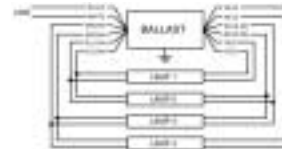
Note: Insulate unused leads individually as shown on ballast label.

Diag. 8

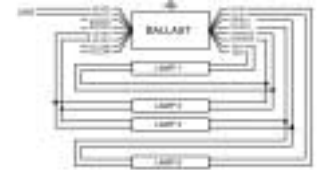


Note: Insulate unused leads individually as shown on ballast label.

Diag. 9



Diag. 13



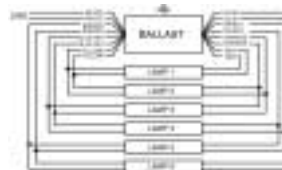
Note: Insulate unused leads individually as shown on ballast label.

Diag. 14

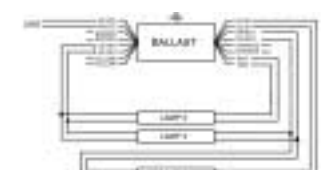


Note: Insulate unused leads individually as shown on ballast label.

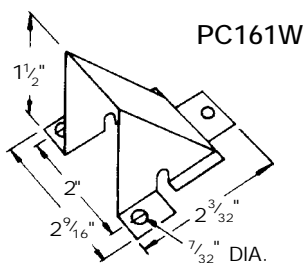
Diag. 15



Diag. 19

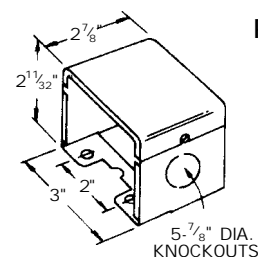


Diag. 28



PC161W

Wiring Compartments



PC857W