

Specifications Charts

RSS Series Electronic Sign Ballasts Minimum starting temperature is -20°F (-30°C).

For use with T12 HO, T8 HO, and Slimline Lamps 120 Volts, 50/60Hz

For 800mA T12/HO Lamps Standard									
No. of Lamps	Lamp Circuits	Footage		Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
		Min.	Max						
1 to 2	Circuit I (lamps 1,2)	4'	16'	RSS296AT*	120V	1.60	190	950	1,2
2 to 4	Circuit I (lamps 1,2)	4'	16'	RSS496AT**	120V	3.20	370	950	3-5
	Circuit II (lamps 3,4)	4'	16'						
4 to 6	Circuit I (lamps 1,2,3)	12'	24'	RSS696AT***	120V	4.15	490	950	6-8
	Circuit II (lamps 4,5,6)	12'	24'						
2 to 6	Circuit I (lamps 1,2,3)	8'	24'	RSS1648-26L***	120V	3.85	430	950	6-10
	Circuit II (lamps 4,5,6)	8'	24'						

For 800mA T8/HO Lamps Standard									
No. of Lamps	Lamp Circuits	Footage		Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
		Min.	Max						
1 to 2	Circuit I (lamps 1,2)	4'	12'	RSS296AT	120V	1.45	176	950	1,2
2 to 4	Circuit I (lamps 1,2)	4'	12'	RSS496AT	120V	3.20	362	950	3-5
	Circuit II (lamps 3,4)	4'	12'						
4 to 6	Circuit I (lamps 1,2,3)	9'	18'	RSS696AT	120V	4.10	478	950	6-8
	Circuit II (lamps 4,5,6)	9'	18'						
2 to 6	Circuit I (lamps 1,2,3)	8'	18'	RSS1648-26L	120V	3.82	435	950	6-10
	Circuit II (lamps 4,5,6)	8'	18'						

For use with T12 HO, T8 HO, and Slimline Lamps 208/220/240/277/347 Volts, 50/60Hz

For 800mA T12/HO Lamps Standard									
No. of Lamps	Lamp Circuits	Footage		Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
		Min.	Max						
1 to 2	Circuit I (lamps 1,2)	4'	16'	RSS296AT-208-347V*	208V	0.76	147	950	1,2
					277V	0.60	147		
					347V	0.46	148		
2 to 4	Circuit I (lamps 1,2)	4'	16'	RSS496AT-208-347V**	208V	1.54	298	950	3-5
					277V	1.22	296		
					347V	0.91	294		
4 to 6	Circuit I (lamps 1,2,3)	12'	24'	RSS696AT-208-347V***	208V	2.40	464	950	6-8
					277V	1.80	464		
					347V	1.40	452		
2 to 6	Circuit I (lamps 1,2,3)	8'	24'	RSS1648-26L-208-347V***	208V	2.40	464	950	6-10
					277V	1.90	460		
					347V	1.40	452		
2 to 6	Circuit II (lamps 4,5,6)	8'	24'	RSS1648-26L-208-347V***	208V	2.40	464	950	6-10
					277V	1.90	460		
					347V	1.40	452		

RSS Installation Wiring Diagrams

DIAGRAM 1

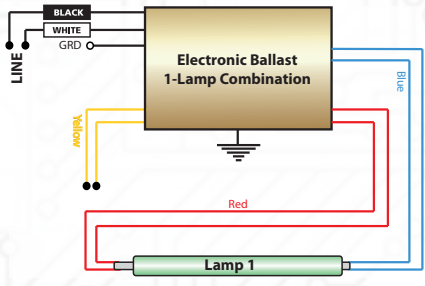


DIAGRAM 2

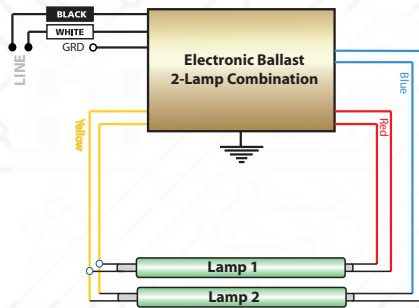


DIAGRAM 3

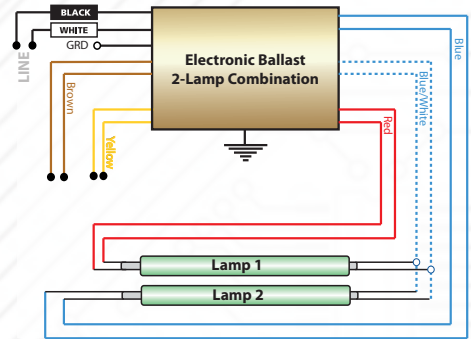


DIAGRAM 4

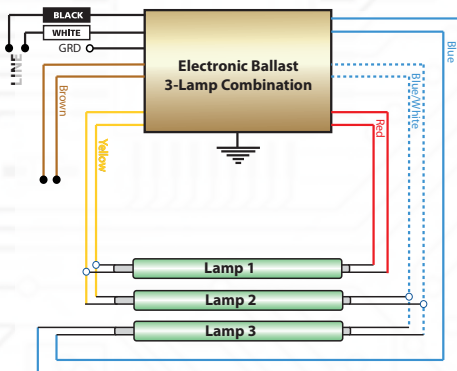


DIAGRAM 5

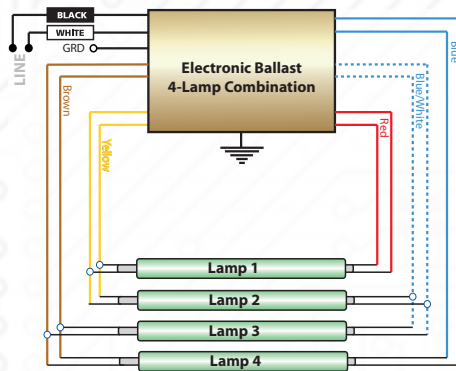


DIAGRAM 6

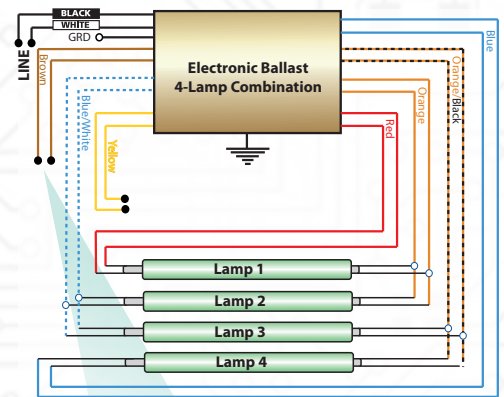


DIAGRAM 7

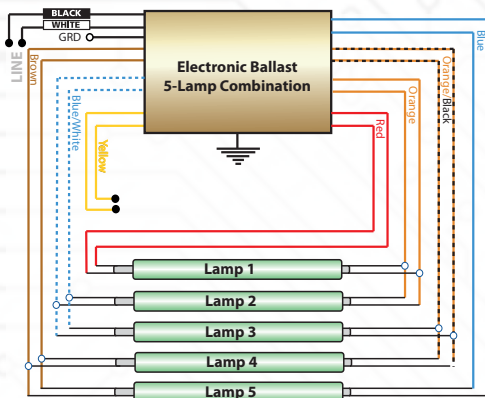


DIAGRAM 8

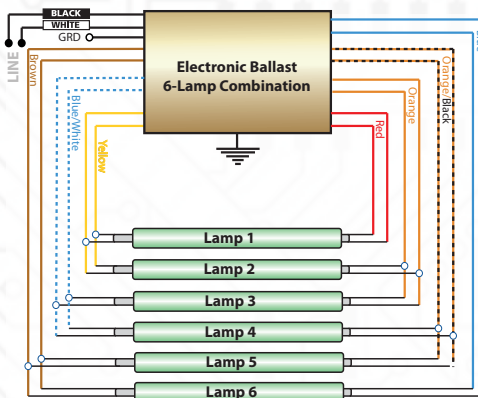


DIAGRAM 9

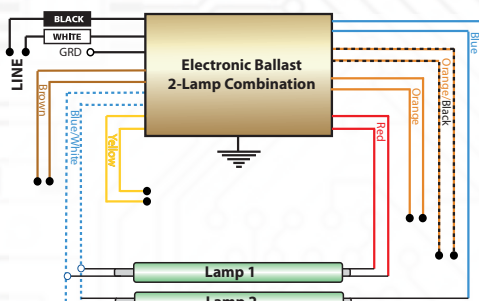
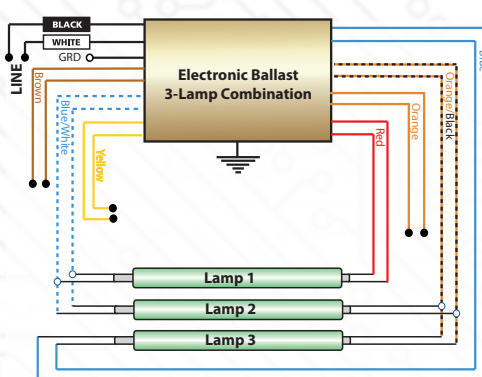



DIAGRAM 10




 Insulate each unused wire separately where indicated on all wiring diagrams.

▲ RSS Diagrams can easily be used in both new installation and magnetic to electronic replacement applications. All ballasts must be grounded.

Fluorescent Ballast Cross Reference Chart

Magnetic Ballasts

Electronic Replacement

Allanson	Universal	France	Advance	Transco	Footage T12	RSS	EESB
148-AT	256-148-800	168 DR	---	TRA-148-0204	2' - 4'	RSS296AT	EESB-1808-1L / EESB-0216-12L-120-277V
196-AT	---	268 DR	---	---	18" - 8'	RSS296AT	EESB-1808-1L
224-AT	---	268 DR	---	TRA-224-0204	2' - 4'	RSS296AT	EESB-0216-12L-120-277V
---	256-248-800	---	---	---	2' - 4'	RSS296AT	EESB-0216-12L-120-277V
272-AT	256-272-800	268 DR	ASB-0412-12-BL-TP	TRA-272-0612	4' - 12'	RSS296AT	EESB-424-13L / EESB-0216-12L-120-277V
296-AT	256-296-800	288 DR	---	TRA-296-0816	12' - 16'	RSS296AT	EESB-424-13L / EESB-0216-12L-120-277V
348-AT	256-348-800	348 DR	---	TRA-348-0412	6' - 12'	---	EESB-424-13L
372-AT	256-372-800	368 DR	---	---	12' - 18'	---	EESB-424-13L
---	---	2128 DR	---	TRA-2120-1020	10' - 20'	RSS496AT	EESB-1040-14L / EESB-1048-26L-120-277V
396-AT	256-396-800	388 DR	---	TRA-396-1624	18' - 24'	RSS496AT / RSS1648-26L	EESB-424-13L / EESB-0432-14L-120-277V
448-AT	256-448-800	448 DR	ASB-0620-24-BL-TP	TRA-448-0816	8' - 16'	RSS496AT	EESB-424-13L / EESB-0432-14L-120-277V
---	256-464-800	---	---	---	16' - 24'	RSS496AT / RSS1648-26L	EESB-424-13L / EESB-0432-14L-120-277V
472-AT	256-472-800	468 DR	ASB-1224-24-BL-TP	TRA-472-1624	16' - 24'	RSS496AT / RSS1648-26L	EESB-424-13L / EESB-0432-14L-120-277V
496-AT	256-496-800	488 DR	ASB-2432-34-BL-TP	TRA-496-2432	24' - 32'	RSS496AT / RSS1648-26L	EESB-832-16L / EESB-0432-14L-120-277V
4120-AT	256-4120-800	4128 DR	ASB-2040-24-BL-TP	TRA-4120-2040	20' - 40'	RSS696AT / RSS1648-26L	EESB-1040-14L / EESB-1048-26L-120-277V
572-AT	---	568 DR	---	---	20' - 30'	RSS696AT / RSS1648-26L	EESB-832-16L / EESB-1048-26L-120-277V
648-AT	256-648-800	668 DR	---	TRA-648-1624	12' - 24'	---	EESB-832-16L / EESB-1048-26L-120-277V
672-AT	256-672-800	668 DR	ASB-1240-46-BL-TP	TRA-672-2436	24' - 36'	RSS696AT / RSS1648-26L	EESB-1048-26L / EESB-1048-26L-120-277V
696-AT	256-696-800	688 KR	ASB-2448-46-BL-TP	TRA-696-3048	30' - 48'	RSS696AT / RSS1648-26L	EESB-1048-26L / EESB-1048-26L-120-277V
148-AT-277V	---	168 KR	---	---	2' - 4'	RSS296AT-208-347V	EESB-0216-12L-120-277V
196-AT-277V	---	268 KR	---	---	18" - 8'	RSS296AT-208-347V	---
272-AT-277V	---	268 KR	---	---	4' - 12'	RSS296AT-208-347V	EESB-0216-12L-120-277V
296-AT-277V	---	288 KR	---	---	12' - 16'	RSS296AT-208-347V	EESB-0216-12L-120-277V
348-AT-277V	---	348 KR	---	---	6' - 12'	---	EESB-0432-14L-120-277V
372-AT-277V	---	368 KR	---	---	12' - 18'	---	EESB-0432-14L-120-277V
396-AT-277V	---	388 KR	---	---	18' - 24'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-0432-14L-120-277V
448-AT-277V	---	448 KR	---	---	8' - 16'	RSS496AT-208-347V	EESB-0432-14L-120-277V
472-AT-277V	---	468 KR	---	---	16' - 24'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-0432-14L-120-277V
496-AT-277V	256-1588-800	488 KR	---	---	24' - 32'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-0432-14L-120-277V
4120-AT-277V	---	4128 KR	---	---	20' - 40'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26L-120-277V
572-AT-277V	---	568 KR	---	---	20' - 30'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26L-120-277V
648-AT-277V	---	668 KR	---	---	12' - 24'	---	EESB-1048-26L-120-277V
672-AT-277V	---	668 KR	---	---	24' - 36'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26L-120-277V
696-AT-277V	---	688 KR	---	---	30' - 48'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26L-120-277V
148-AT-347V	---	---	---	---	2' - 4'	RSS296AT-208-347V	---
196-AT-347V	---	---	---	---	18" - 8'	RSS296AT-208-347V	---
272-AT-347V	---	---	---	---	4' - 12'	RSS296AT-208-347V	---
296-AT-347V	---	---	---	---	12' - 16'	RSS296AT-208-347V	---
348-AT-347V	---	---	---	---	6' - 12'	---	EESB-424-13MV
372-AT-347V	---	---	---	---	12' - 18'	---	EESB-424-13MV
396-AT-347V	---	---	---	---	18' - 24'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-424-13MV
448-AT-347V	---	---	---	---	8' - 16'	RSS496AT-208-347V	EESB-424-13MV
472-AT-347V	---	---	---	---	16' - 24'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-832-16MV
496-AT-347V	---	---	---	---	24' - 32'	RSS496AT-208-347V / RSS1648-26L-208-347V	EESB-832-16MV
4120-AT-347V	---	---	---	---	20' - 40'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1040-14MV
572-AT-347V	---	---	---	---	20' - 30'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26MV
648-AT-347V	---	---	---	---	12' - 24'	---	EESB-1048-26MV
672-AT-277V	---	---	---	---	24' - 36'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26MV
696-AT-347V	---	---	---	---	30' - 48'	RSS696AT-208-347V / RSS1648-26L-208-347V	EESB-1048-26MV

* EESB-0250-16L-120-277V Ultimate Ballast Replaces all models listed.