

Electronic Sign Ballasts

Specifications Guide



DOE
COMPLIANT

Allanson
LIGHTING COMPONENTS

RSS Series Wired Electronic Ballasts

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 Min.	Footage Max	Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
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 Min.	Footage Max	Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
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 Min.	Footage Max	Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram
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		

RSS Specifications Charts Continued

For 800mA T8/HO Lamps Standard										
No. of Lamps	Lamp Circuits	Footage Min. Max		Catalog Number	Input Voltage	Max Input Amps	Max Input Watts	Open Circuit Voltage	Wiring Diagram	
1 to 2	Circuit I (lamps 1,2)	4'	12'	RSS296AT-208-347V	208V	0.69	133	950	1,2	
					277V	0.55	133			
					347V	0.41	132			
2 to 4	Circuit I (lamps 1,2)	4'	12'	RSS496AT-208-347V	208V	1.23	238	950	3-5	
	Circuit II (lamps 3,4)	4'	12'		277V	1.00	238			
					347V	0.73	236			
4 to 6	Circuit I (lamps 1,2,3)	9'	18'	RSS696AT-208-347V	208V	2.35	455	950	6-8	
	Circuit II (lamps 4,5,6)	9'	18'		277V	1.75	451			
					347V	1.35	436			
2 to 6	Circuit I (lamps 1,2,3)	8'	18'	RSS1648-26L-208-347V	208V	2.34	462	950	6-10	
	Circuit II (lamps 4,5,6)	8'	18'		277V	1.86	458			
					347V	1.37	452			

*For use with 1 10' lamp. **For use with 2 10' lamps. ***For use with 4 10' lamps.

RSS Ballast Footage Chart

CAT#	T8/T12	# of lamps	Total Lamp Footage Range (Feet)																																																
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
RSS296AT	T8	1-2																																																	
RSS296AT-208-347V	T12	1-2																																																	
RSS496AT	T8	2-4																																																	
RSS496AT-208-347V	T12	2-4																																																	
RSS696AT	T8	4-6																																																	
RSS696AT-208-347V	T12	4-6																																																	
RSS1648-26L	T8	2-6																																																	
RSS1648-26L-208-347V	T12	2-6																																																	

Dimensions and Weights

CAT #	Lead Length (Feet)								
	Black	White	Red	Blue	Yellow	Brown	Blue/ White	Orange/ Tan	Brown/ Black
RSS296AT / RSS296AT-208-347V	2.2	2.2	5.2	6.9	5.7				
RSS496AT / RSS496AT-208-347V	2.2	2.2	5.2	7.5	5.7	5.7	5.6		
RSS696AT / RSS696AT-208-347V	2.2	2.2	4.0	6.4	5.0	5.7	5	4.5	5.6
RSS1648-26L / RSS1648-26L-208-347V	2.2	2.2	4.0	6.4	5.0	5.7	5	4.5	5.6

CAT #	Dimensions (Inches)				Weight (lb)
	Length	Width	Height	Mounting	
RSS296AT / RSS296AT-208-347V	11-3/4	3-3/16	1-3/4	11-1/8L x 2 W	5
RSS496AT / RSS496AT-208-347V	16-5/8	3-3/16	2-5/8	15-15/16 L x 2 W	10
RSS696AT / RSS696AT-208-347V	16-5/8	3-3/16	2-5/8	15-15/16 L x 2 W	10
RSS1648-26L / RSS1648-26L-208-347V	16-5/8	3-3/16	2-5/8	15-15/16 L x 2 W	10

