

S-Series Ballasts

ELECTRONIC PROGRAM RAPID START



FOCAL POINT®

T5 LAMP*

LAMP	LAMP QTY.	120V				277V				IS / PS	PARALLEL/SERIES WIRING
		MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD	MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD		
14W 2' nominal	1	19	1.05	0.98	<20%	19	1.05	0.9	<20%	PS	S
	2	34	1	0.98	<10%	34	1	0.89	<10%	PS	S
21W 3' nominal	1	31	1.03	0.98	<15%	31	1.03	0.86	<15%	PS	S
	2	48	1	0.98	<10%	48	1	0.94	<10%	PS	S
28W 4' nominal	1	37	1	0.98	<10%	37	1	0.91	<10%	PS	S
	2	65	0.96	0.98	<10%	63	0.96	0.96	<10%	PS	S
35W 5' nominal	1	46	1	0.97	<10%	46	1	0.93	<10%	PS	S
	2	80	0.95	0.99	<10%	77	0.95	0.97	<10%	PS	S

- Ballast operates at 108V AC - 305V AC, 50/60 Hz. 60 Hz data shown.
- No PCB's
- UL listed (Class P, type 1 Outdoor, Type HL) and CSA certified
- Series circuit wiring
- Program Rapid Start
- Minimum 5-year ballast warranty
- <20% THD (Total Harmonic Distortion)
- Power factor equal to or greater than .9
- Class A sound rating
- Lamp Current Crest factor < 1.7
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI
- Minimum starting temperature of 0 °F, -18 °C
- End of Life protection circuitry

T5HO LAMP*

LAMP	LAMP QTY.	120V				277V				IS / PS	PARALLEL/SERIES WIRING
		MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD	MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD		
24W 2' nominal	1	29	0.98	0.98	<10%	29	0.95	0.95	<10%	PS	S
	2	55	0.98	0.98	<10%	54	0.98	0.98	<10%	PS	S
39W 3' nominal	1	47	0.98	0.98	<10%	47	0.95	0.98	<10%	PS	S
	2	89	0.98	0.98	<10%	88	0.95	0.98	<10%	PS	S
54W 4' nominal	1	76	1	0.96	<10%	75	1	0.95	<15%	PS	S
	2	121	1	0.98	<10%	118	1	0.98	<10%	PS	S
80W 5' nominal	1	91	1	0.97	<10%	90	1	0.97	<10%	PS	S

- Ballast operates at 108V AC - 305V AC, 50/60 Hz. 60 Hz data shown.
- No PCB's
- UL listed (Class P, type 1 Outdoor, Type HL) and CSA certified
- Series circuit wiring
- Program Rapid Start
- Minimum 5-year ballast warranty
- <15% THD (Total Harmonic Distortion)
- Power factor equal to or greater than .95
- Class A sound rating
- Lamp Current Crest factor < 1.7
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI
- Minimum starting temperature of 0 °F, -18 °C
- End of Life protection circuitry

*information subject to change due to ongoing ballast manufacturer updates.

S-Series Ballasts

ELECTRONIC PROGRAM RAPID START



FOCAL POINT®

T8 LAMP*

LAMP	LAMP QTY.	120V				277V				IS / PS	PARALLEL/SERIES WIRING
		MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD	MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD		
17W 2'	1	17	0.91	0.99	<15%	17	0.91	0.93	<15%	PS	S
	2	34	0.95	0.99	<15%	34	0.95	0.95	<15%	PS	S
	3	49	0.89	0.99	<10%	48	0.89	0.96	<10%	PS	S
	4	63	0.9	0.99	<10%	62	0.9	0.9	<10%	PS	S
25W 3'	1	24	0.88	0.98	<15%	24	0.88	0.94	<15%	PS	S
	2	47	0.88	0.98	<10%	46	0.88	0.97	<10%	PS	S
	3	70	0.88	0.98	<10%	70	0.88	0.95	<10%	PS	S
	4	92	0.88	0.98	<10%	90	0.88	0.95	<10%	PS	S
32W 4'	1	37	0.88	0.98	<10%	37	0.88	0.93	<10%	PS	S
	2	62	0.88	0.98	<10%	60	0.88	0.96	<10%	PS	S
	3	92	0.88	0.98	<10%	90	0.88	0.95	<10%	PS	S
	4	119	0.88	0.98	<10%	115	0.88	0.97	<10%	PS	S
40W 5'	1	36	0.9	0.99	<10%	36	0.9	0.97	<10%	PS	S

- Ballast operates at 108V AC - 305V AC, 50/60 Hz. 60 Hz data shown.
- No PCB's
- UL listed (Class P, type 1 Outdoor, Type HL) and CSA certified
- Series circuit wiring
- Program Rapid Start
- Minimum 5-year ballast warranty
- <15% THD (Total Harmonic Distortion)
- Power factor equal to or greater than .9
- Class A sound rating
- Lamp Current Crest factor < 1.7
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI
- Minimum starting temperature of 0 °F, -18 °C

BIAx LAMP*

LAMP	LAMP QTY.	120V				277V				IS / PS	PARALLEL/SERIES WIRING
		MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD	MAX. WATTAGE	MIN. BALLAST FACTOR	MIN. POWER FACTOR	THD		
40W Long Twin Tube	1	44	0.88	0.95	<10%	44	0.88	0.95	<10%	PS	S
	2	78	0.88	0.98	<10%	78	0.88	0.95	<10%	PS	S
50W Long Twin Tube	1	76	1.12	0.96	<15%	75	1.12	0.95	<15%	PS	S
	2	123	1.05	0.98	<10%	116	1.06	0.98	<10%	PS	S
55W Long Twin Tube	1	70	0.92	0.96	<15%	69	0.92	0.95	<15%	PS	S
	2	112	0.86	0.98	<10%	109	0.86	0.98	<10%	PS	S

- Ballast operates at 108V AC - 305V AC, 50/60 Hz. 60 Hz data shown.
- No PCB's
- UL listed (Class P, type 1 Outdoor, Type HL) and CSA certified
- Series circuit wiring
- Program Rapid Start
- Minimum 5-year ballast warranty
- <15% THD (Total Harmonic Distortion)
- Power factor equal to or greater than .95
- Class A sound rating
- Lamp Current Crest factor < 1.7
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991 (50W and 55W only)
- Meets FCC Part 18 (Class A) for EMI and RFI
- Minimum starting temperature of 0 °F, -18 °C
- End of Life protection circuitry

*information subject to change due to ongoing ballast manufacturer updates.