



Model Name	ESPQ-A54T5S-S
Ballast Type	Electronic
Starting Method	Program Start
Lamp connection	Series
Input Voltage	120-277V
Input Frequency	50/60Hz
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

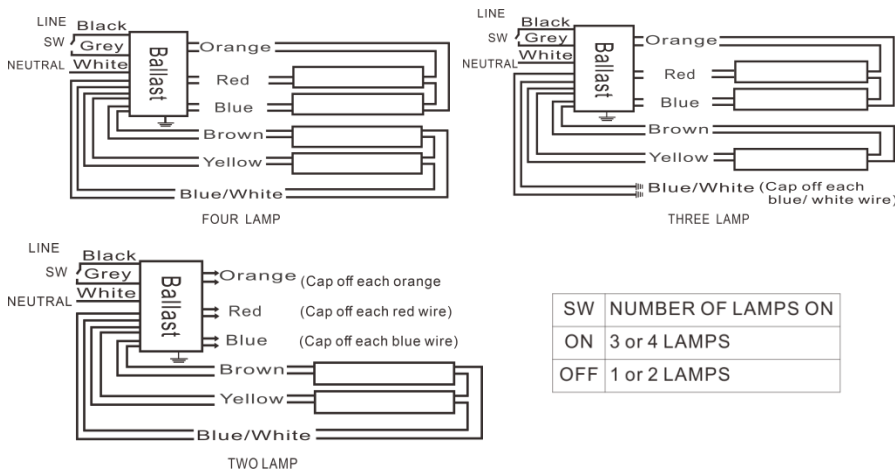
Safety & Performance



Energy
Verified

- Maximum Four lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- DOE Energy Verified
- NRCAN Energy Verified

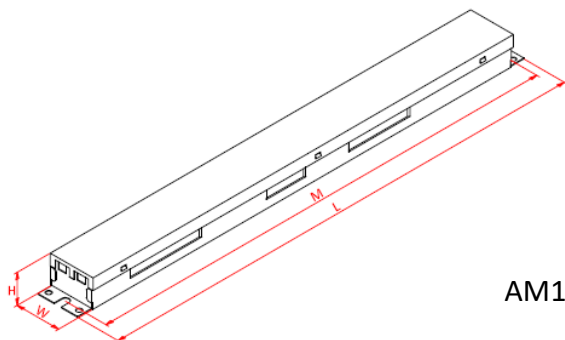
Wire Diagram



Maximum Wiring Distance (at full load) is 18AWG/18Feet
Case must be grounded

Lead Length	Inch	Cm
Black	18	45.72
White	18	45.72
Blue	30	76.2
Red	30	76.2
Yellow	30	76.2
Grey	18	45.72
Blue/White	48	121.9
Brown	40	101.6
Orange	56	142.2

Enclosure



AM104

Enclosure	Inch	Cm
Length(L)	17.7	45
Width(W)	1.7	4.3
Height(H)	1.2	3.0
Mounting(M)	17.2	43.8



Electrical Specification with Different Lamps

Lamp Type	No. of Lamps	Input Voltage (V)	Rated Lamp Watts	Start Temp Min. (F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	THD Max. (%)	Power Factor	Lamp Current Crest Factor Max.	BEF
54W T5	4	120	54	-22/-30	2.00	230	0.98	10	0.99	1.7	0.43
		230			1.02			10	0.99		
		277			0.86			10	0.98		
	3	120			1.47	176	1.00	10	0.99		0.57
		230			0.78			10	0.98		
		277			0.65			15	0.98		
	2	120			0.98	118	0.99	10	0.98		0.84
		230			0.52			15	0.97		
		277			0.43			15	0.97		
	1	120			0.51	60	1.02	15	0.97		1.70
		230			0.27			20	0.97		
		277			0.22			20	0.96		
54W T5/ES (49W)	4	120	49	-22/-30	1.78	212	0.98	10	0.99	1.7	0.46
		230			0.94			10	0.99		
		277			0.78			10	0.98		
	3	120			1.42	169	1.00	10	0.99		0.59
		230			0.75			10	0.98		
		277			0.62			15	0.98		
	2	120			0.95	113	0.99	10	0.98		0.88
		230			0.50			15	0.97		
		277			0.42			15	0.97		
	1	120			0.49	58	1.02	15	0.97		1.76
		230			0.26			20	0.97		
		277			0.21			25	0.96		
55W PLL	4	120	55	-22/-30	1.64	198	0.92	10	0.99	1.7	0.46
		230			0.88			10	0.98		
		277			0.73			10	0.98		
	3	120			1.26	154	0.95	10	0.99		0.62
		230			0.68			10	0.98		
		277			0.56			15	0.98		
	2	120			0.72	102	0.92	10	0.98		0.90
		230			0.45			15	0.97		
		277			0.38			15	0.97		
	1	120			0.46	56	0.95	15	0.97		1.70
		230			0.25			20	0.97		
		277			0.21			25	0.96		
39W T5	4	120	39	-22/-30	1.42	174	1.04	10	0.99	1.7	0.60
		230			0.75			10	0.98		
		277			0.63			15	0.98		
	2	120			0.72	85	1.03	15	0.98		1.21
		230						20	0.97		
		277						20	0.97		



Electrical Specification with Different Lamps

Lamp Type	No. of Lamps	Input Voltage (V)	Rated Lamp Watts	Start Temp Min. (F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	THD Max. (%)	Power Factor	Lamp Current Crest Factor Max.	BEF
50W PLL	4	120	50	-22/-30	1.88	224	1.1	10	0.99	1.7	0.49
		230			0.99			10	0.99		
		277			0.83			10	0.99		
	3	120			1.42	170	1.13	10	0.99		0.66
		230			0.75			10	0.98		
		277			0.72			15	0.99		
	2	120			0.86	103	1.1	10	0.98		1.07
		230			0.46			15	0.97		
		277			0.38			15	0.98		
	1	120			0.46	54	1.1	15	0.97		2.04
		230			0.24			20	0.97		
		277			0.20			25	0.97		
58W T8	4	120	58	-22/-30	1.99	228	0.98	10	0.99	1.7	0.43
		230			1.01			10	0.99		
		277			0.84			10	0.98		
	3	120			1.46	174	0.99	10	0.99		0.57
		230			0.78			10	0.98		
		277			0.65			15	0.98		
	2	120			0.96	116	0.98	10	0.98		0.88
		230			0.51			15	0.97		
		277			0.40			15	0.97		
	1	120			0.50	58	1.01	15	0.97		1.74
		230			0.25			20	0.97		
		277			0.20			20	0.96		