



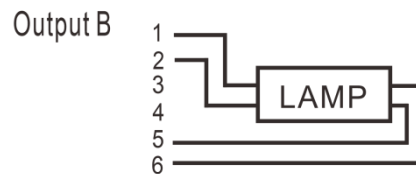
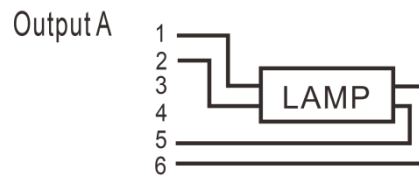
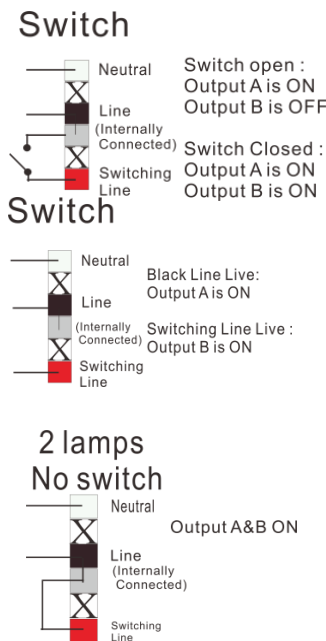
Model Name	ESS-A86T8HOSX2
Ballast Type	Electronic
Starting Method	Program Start
Lamp connection	Series
Input Voltage	120-277V
Input Frequency	50/60Hz
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

Safety & Performance



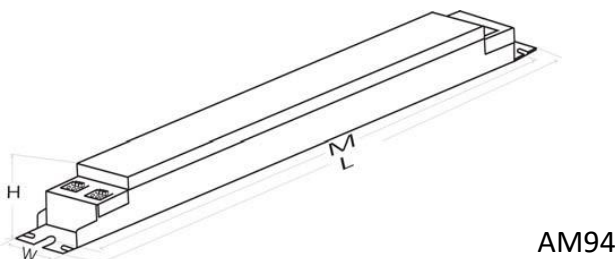
- One or Two Lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- DOE Energy Verified
- NRCAN Energy Verified

Wire Diagram



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

Enclosure



Enclosure	Inch	Cm
Length(L)	12.8	32.5
Width(W)	2.52	6.4
Height(H)	1.16	2.95
Mounting(M)	12.5	31.7



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
F96T8HO	2	120	86	-22/-30	1.61	188	1.03	10	0.99	1.7	0.54
		230			0.82			10	0.99		
		277			0.683			15	0.98		
	1	120			0.76	92	0.99	10	0.99		
		230			0.41			15	0.98		
		277			0.34			15	0.98		
F72T8HO	2	120	65	-22/-30	1.21	140	0.94	10	0.99	1.7	0.67
		230			0.61			10	0.99		
		277			0.51			15	0.98		
	1	120			0.68	81	1.00	10	0.99		
		230			0.35			15	0.98		
		277			0.29			20	0.97		
F60T8HO	2	120	55	-22/-30	1.04	118	0.92	10	0.99	1.7	0.78
		230			0.51			10	0.99		
		277			0.43			15	0.98		
	1	120			0.58	70	1.00	10	0.99		
		230			0.30			20	0.98		
		277			0.25			20	0.97		
F48T8HO	2	120	44	-22/-30	0.84	98	0.95	10	0.99	1.7	0.97
		230			0.43			15	0.98		
		277			0.35			15	0.97		
	1	120			0.5	59	1.02	10	0.98		
		230			0.26			20	0.97		
		277			0.21			20	0.96		