



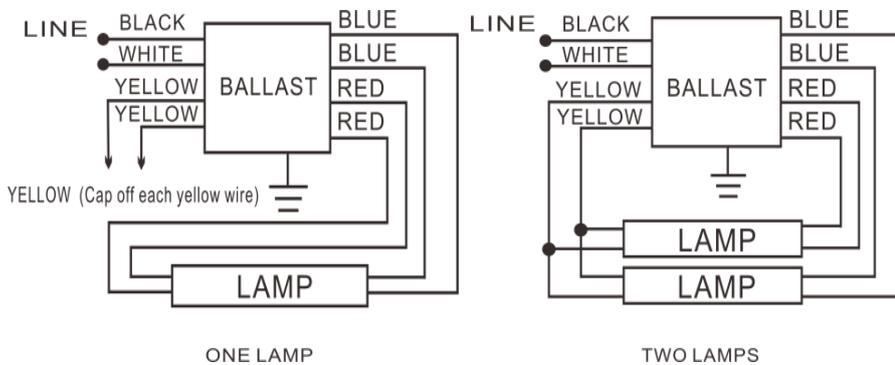
Model Name	ESD-A110T12HO
Ballast Type	Electronic
Starting Method	Rapid Start
Lamp connection	Series
Input Voltage	120-277V
Input Frequency	50/60Hz
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

Safety & Performance



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

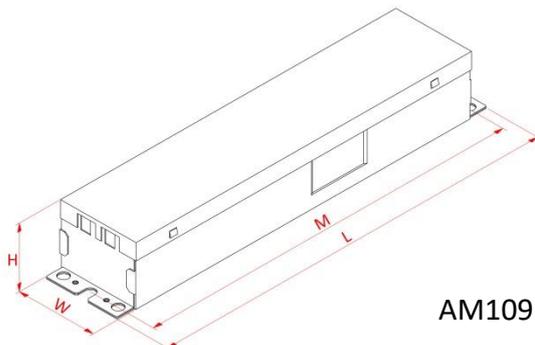
Wire Diagram



Lead Length	Inch	Cm
Black	22	56
White	22	56
Blue	46	117
Red	46	117
Yellow	70	178

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

Enclosure



AM109

Enclosure	Inch	Cm
Length(L)	11.69	29.7
Width(W)	2.36	6.0
Height(H)	1.89	4.8
Mounting(M)	11.1	28.2



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
F96 T12HO	2	120	110	-22/-30	1.62	194	0.84	10	0.99	1.7	0.43
		230			0.83			10	0.99		
		277			0.69			10	0.99		
	1	120			0.91	110	0.86	10	0.99		
		230			0.49			10	0.99		
		277			0.41			10	0.99		
F72 T12HO	2	120	85	-22/-30	1.3	160	0.90	10	0.99	1.7	0.56
		230			0.7			10	0.99		
		277			0.58			10	0.99		
F60 T12HO	2	120	75	-22/-30	1.2	140	1	10	0.99	1.7	0.71
		230			0.61			10	0.99		
		277			0.51			10	0.99		
F48 T12HO	2	120	60	-22/-30	1	120	1.10	10	0.99	1.7	0.92
		230			0.52			10	0.99		
		277			0.44			10	0.99		