



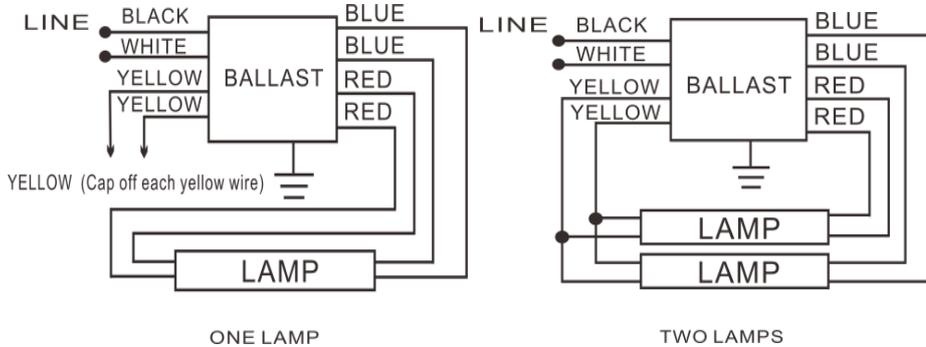
Model Name	ESD-3110T12HO
Ballast Type	Electronic
Starting Method	Rapid Start
Lamp connection	Series
Input Voltage	347V
Input Frequency	60Hz
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

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
- NRCan Energy Verified

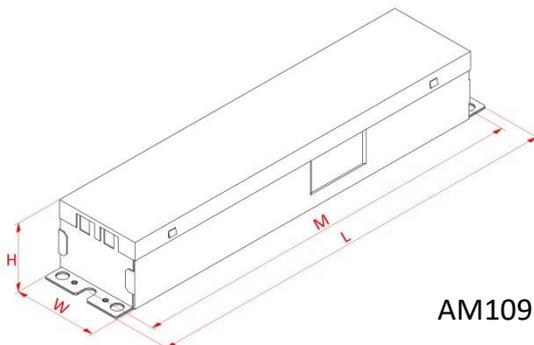
Wire Diagram



Lead Length	Inch	Cm
Black	47	120
White	47	120
Blue	71	180
Red	71	180
Yellow	71	180

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	347	110	-22/-30	0.56	193	0.85	10	0.99	1.7	0.44
	1				0.32	110	0.88	15	0.98		0.80
F96 T12HO /ES	2	347	95	60/16	0.45	154	0.89	15	0.99	1.7	0.58
	1				0.22	78	0.91	15	0.98		1.17
F84 T12HO	2	347	100	-22/-30	0.47	160	0.90	10	0.99	1.7	0.56
	1				0.31	105	0.95	15	0.98		0.90
F72 T12HO	2	347	85	-22/-30	0.44	150	0.93	15	0.99	1.7	0.62
	1				0.29	100	0.96	15	0.97		0.96
F60 T12HO	2	347	75	-22/-30	0.41	140	1	15	0.99	1.7	0.71
	1				0.24	85	1.05	15	0.97		1.24
F70T8	2	347	70	-22/-30	0.35	119	0.9	15	0.98		0.76
F48 T12HO	2	347	60	-22/-30	0.35	120	1.10	15	0.98	1.7	0.92
	1				0.20	70	1.15	20	0.96		1.64
F36 T12HO	2	347	50	-22/-30	0.30	105	1.18	15	0.97	1.7	1.12
	1				0.17	60	1.25	20	0.96		2.08
F24 T12HO	2	347	35	-22/-30	0.22	75	1.2	20	0.96	1.7	1.60
	1				0.15	51	1.25	20	0.96		2.45