

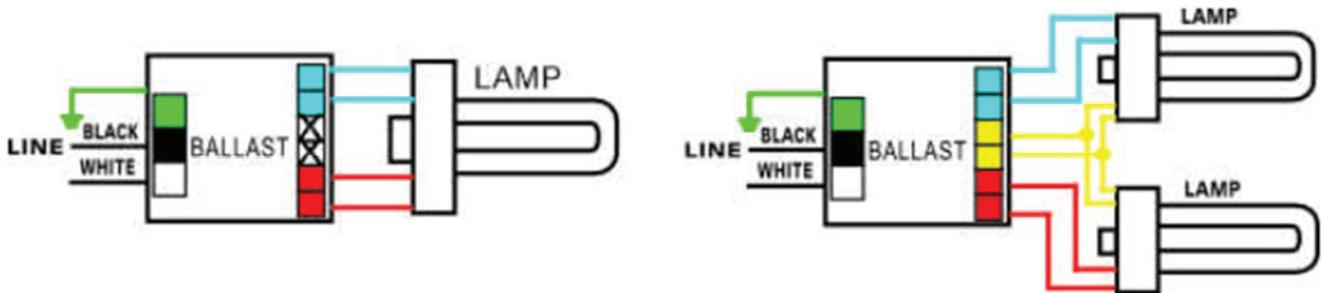
<b>Model Name</b>	<b>23358C EL242CF-120-277HF</b>
<b>Ballast Type</b>	Electronic
<b>Starting Method</b>	Program Start
<b>Lamp connection</b>	Series
<b>Input Voltage</b>	120-277V
<b>Input Frequency</b>	50/60Hz
<b>Warranty</b>	3 Years $75^{\circ}\text{C} < \text{TC} \leq 90^{\circ}\text{C}$

### Safety & Performance



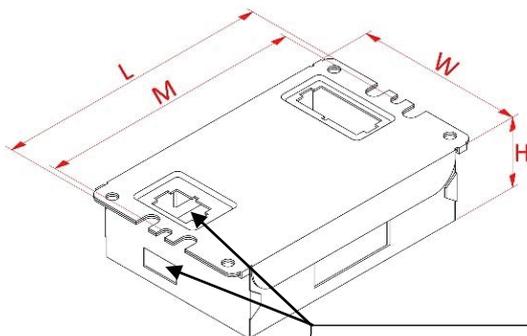
- One or Two lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- EOL-end of life lamp protection
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- Type HL
- CAN ICES-005 (A)

### Wire Diagram



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

### Enclosure



Enclosure	Inch	Cm
Length(L)	5	12.7
Width(W)	3	7.7
Height(H)	1.34	3.4
Mounting(M)	4.6	11.7

Color coded, dual entry terminal blocks

AM54

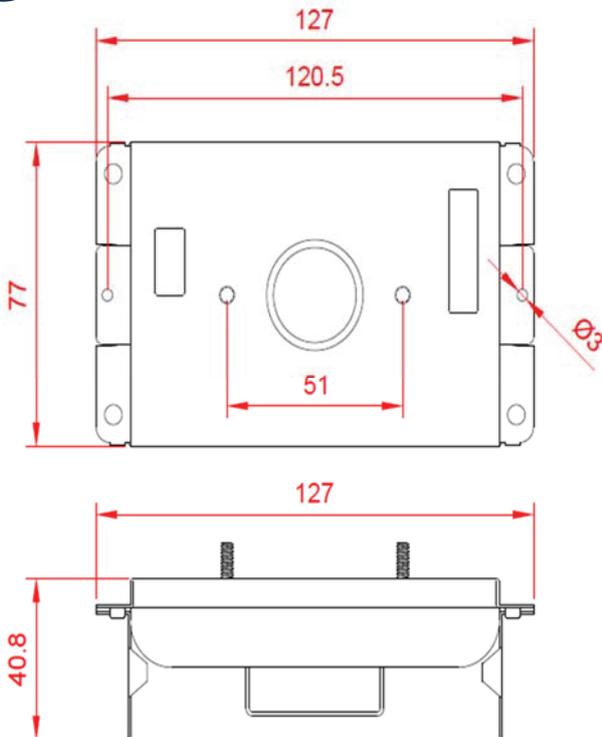
### Installation Kits

1



Lead Length	Inch	Cm
Black	9	23
White	9	23
Green	9	23
Red	9	23
Blue	9	23
Yellow	9	23

2



3



4



1. Extending wire set
2. Mounting plate with studs
3. Wire extraction tool
4. Hardware

\* Use the wire extraction tool, to help easily disconnect fixture wiring from old ballast.

### 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	
PL*42W	2	120	42	-22/-30	0.72	86	0.85	10	0.99	1.7	0.99	
		230			0.38			10	0.98			
		277			0.31			15	0.98			
	1	120			0.38	45	0.92	10	0.98			
		230			0.20			15	0.97			
		277			0.18			15	0.96			
PL*32W	2	120	32		0.53	64	0.89	10	0.99		1.7	1.39
		230			0.27			15	0.98			
		277			0.23			15	0.97			
	1	120			0.28	35	0.92	15	0.98			
		230			0.15			15	0.97			
		277			0.14			20	0.94			
PL*26W	2	120	26	0.46	56	1.00	10	0.99	1.7	1.79		
		230		0.25			15	0.98				
		277		0.21			15	0.97				
	1	120		0.24	28	0.93	15	0.97				
		230		0.14			15	0.96				
		277		0.13			25	0.93				
PLL40W	2	120	40	0.73	87	0.85	10	0.99	1.7	0.98		
		230		0.38			10	0.98				
		277		0.31			15	0.98				
	1	120		0.39	47	0.91	10	0.98				
		230		0.21			15	0.98				
		277		0.18			15	0.96				
PLL39W	2	120	39	0.54	65	0.56	10	0.99	1.7	0.86		
		230		0.29			15	0.98				
		277		0.24			15	0.97				
	1	120		0.30	35	0.62	15	0.98				
		230		0.16			15	0.97				
		277		0.14			20	0.94				

\*Typical for both PLC and PLT lamps

### 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
PLL36W	2	120	36		0.51	62	0.83	10	0.99	1.7	1.34
		230			0.28			15	0.98		
		277			0.23			15	0.97		
	1	120			0.28	34	0.84	15	0.99		2.47
		230			0.15			15	0.97		
		277			0.13			20	0.93		
PLL27W	2	120	27		0.31	38	0.97	15	0.98		2.55
		230			0.17			15	0.97		
		277			0.15			20	0.93		
PLT57W	1	120	57		0.43	52	0.89	10	0.99		1.71
		230			0.23			15	0.98		
		277			0.17			15	0.97		
PLL55W	1	120	55		0.37	45	0.64	10	0.98	1.42	
		230			0.20			15	0.97		
		277			0.17			15	0.96		
PLL50W	1	120	50		0.39	48	0.73	10	0.98	1.52	
		230			0.21			15	0.97		
		277			0.18			15	0.96		
2D 38W	1	120	38		0.34	34	0.84	15	0.98	2.47	
		230			0.17			15	0.97		
		277			0.15			20	0.93		
F39T5HO	1	120	38		0.35	41	0.85	15	0.98	2.07	
		230			0.18			20	0.97		
		277			0.15			20	0.94		

\*Typical for both PLC and PLT lamps