

Electronic Ballast for Electrodeless Fluorescent Lamp
SP779-Y01A 150W & SP780-Y01A 200W

Description



SP779-Y01A and SP780-Y01A electronic ballasts for electrodeless fluorescent Lamp offer improved energy efficiency. The electronic ballasts are extremely robust, using the high quality components, and extremely efficient. There allow them to run at an ambient temperature from -40℃ to +60 ℃ and at maximum case temperature of 70℃. In addition, input voltage fluctuations do not affect the Ballast's output power, ensuring steady light output within the entire specified voltage range. The Electronic Ballasts are designed with a variety of safeguards to protection. The ballast meets with UL.

Specifications

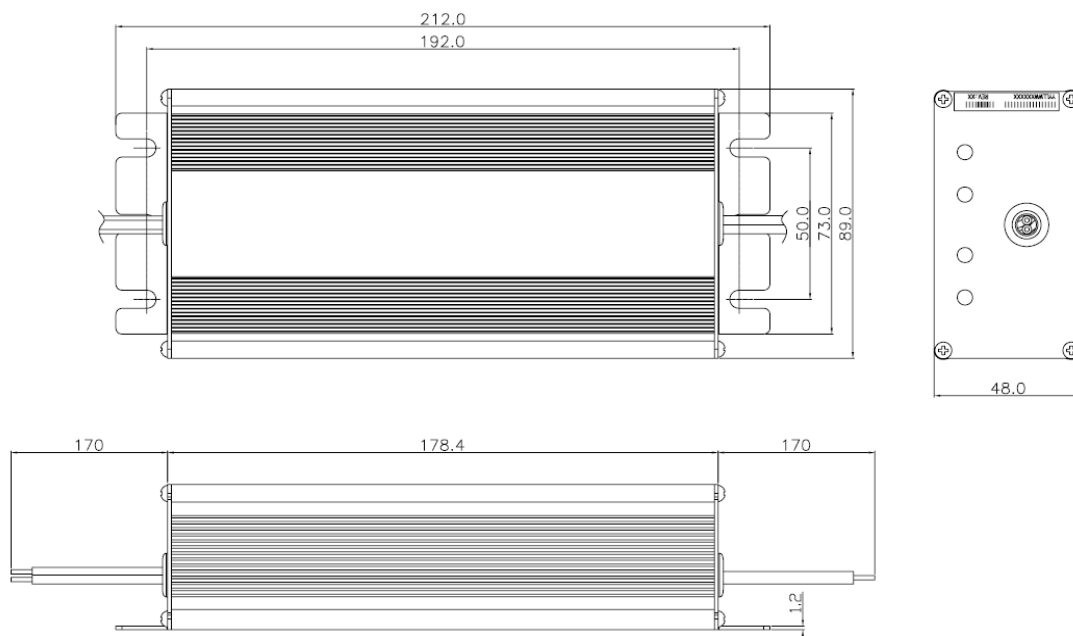
Items	SP779-Y01A 150W	SP780-Y01A 200W
Electronic		
Input Voltage Range	90 ~305Vac	
Input Frequency Range	47 ~ 63Hz	
Rated Input Current 120Vac/277Vac	1.5A/0.59A	1.9A/0.8A
Inrush Current	≤60A _{pk}	≤65A _{pk}
Efficiency (120Vac)	≥ 90%	≥ 90%
Rated Lamp Current	0.81A	0.96A
Rated Lamp Voltage	190Vac	210Vac
U _{out}	300V	
Power Factor	> 0.95	
THD	< 15%	
Output Operation Frequency	230K ± 30kHz	
Protection ^{*1}	No load , load short and lamp removed	
Environmental		
Ambient Operating Temperature ^{*2} (T _a)	-40 - 60℃	
Max case Temperature (T _c)	70 ℃	
Usage ^{*3}	In Fixture Only	

Specifications (Continued)

Isolation		
Isolation Resistance	> 200MΩ	
Isolation Voltage	1600Vac	
Max Ignition Voltage	2000Vpeak	2350Vpeak
Emission* ⁴	FCC Part 18	
Safety Standards	UL935	
Approvals* ⁵	UL	
Other General Standards	QB/T2871	
Service Life	5 Years (Rated Input Voltage, Ta= 40℃)	
RoHS ⁶	RoHS 5/6 Compliance	
Physical		
Cooling	Nature Cooling	
Dimensions (L X W X H)	212.0 X 89.0 X 48.0 mm	
Weight	0.91kg	

1. Reset method: power off and waiting for over 15second, then power up again.
2. Generally the ballast is set up in the lamps and lanterns to use, the ambient temperature of ballast is -40--60 ℃ in lamps and lanterns, use low temperature lamp under -20 ℃.
3. For installation, please refer to installation manual.
4. This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45--30MHz.
5. Those products have been evaluated for using in TYPE 1 OUTDOOR; belong to CLASS P PROTECTED, INHERENT THERMAL PROTECTION BALLAST; Earthing connection essential before connecting AC supply.
6. Please contact Lineage Power representative if need RoHS-6 compliance products.

Dimensions (mm)



Ordering Information

Item	Description	Comcode
EP200_LL	electronic ballast for 200W lamp	CC109163845
EP150_LL	electronic ballast for 150W lamp	CC109164356

If additional information is needed, please consult with your Lineage Power representative for more details.



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