

# LAA1000

## Dimmable HID Grow Light Fixture

**Longbright**®

make your future bright

### Features

- Integrated Lighting
- Wide Input Voltage range 277-300VAC / 50-60Hz
- Active PFC 0.99 (Max) High efficiency, Low THD
- Intelligent Self Diagnostic System
- Soft start and Staggered ignition eliminates circuit inrush and protects lamp
- Run properly ended 1000w bulb at 400W 600W 1000W 1040W
- Multiple Protections OVP, UVP, OTP, SCP, OCP
- Timing Controlling
- Remote controlled
- Working status display
- FCC compliant
- 2 Years Warranty



### Model Specifications

Model	Longood Code	Input Voltage	Output Voltage	Rated Output Power	Efficiency (240Vin) / Full Load	Power Factor (Full Load)	
						120VAC	240VAC
LAA1000-120/240H	RP100A	277-300VAC	180-300V	1000W	96% Max	0.99	0.98

### Electrical Specifications

Input Voltage Range	277-300VAC
Input Frequency	47-63Hz
Power Factor	0.99 ( Max ), >0.95 277~300VAC input, 40%~100% load
Input Current	3.5A at 277VAC
Inrush Current	60A at 277VAC, 25°C cold start
Leakage Current	0.5mA Max at 277Vac / 50 / 60Hz input
Maximum Output Power	1040W
Output Frequency	>100KHz
Bulb Failure Detection	YES
Start Up Time	3-10 Second
Protections	Open Circuit Protection, Short Circuit Protection, Over Voltage Protection, Under Voltage Protection, Over Temperature Protection
THD	<10%, 277VAC, 50 / 60Hz input, 100% load

### Environmental Specifications

Operating Temperature	0°C~+30°C
Operating Humidity	20~95% RH
Storage Temperature	-45°C~+80°C
Storage Humidity	10~95% RH
Cooling Method	Natural cooling
Isolation Voltage	input / Gnd 1600VAC 5mA 1Min
Insulation Resistance	Input / Gnd 50MΩ 500VDC 1Min
Reference Dimension(L×W×T)	577.2 × 376.2 × 188.4mm
Weight	

### Safety & EMC Compliance

UL / CUL	UL1598 / CSA C22.2 NO.250
CE	EN61347-2-12
Condiatal emissions	FCC Part 18
Radiated emissions	FCC Part 18

### Mechanical Outline ( Unit: mm )

