

# LAA630

## Dimmable CDM Grow Light Fixture

**Longbright**<sup>®</sup>

make your future bright

### Features

- Patented compact design and lightweight Integrated Lighting
- Wide Input Voltage range 180-300vAC / 50-60Hz
- Active PFC 0.99 (Max)
- High efficiency, Low THD
- Strike both Metal Halide and High Pressure Sodium bulbs
- Run properly ended 2 x 315w bulb at 380W 490W 630W 690W
- Intelligent Self Diagnostic System
- Soft start and Staggered ignition eliminates circuit inrush and protects lamp
- Multiple Protections OVP, UVP, OTP, SCP, OCP
- 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	277VAC	300VAC
LAA630-240H	RL010B	100-265VAC	80-130V	630W	94% Max	0.99	0.98	-	-
LAA630-277H	RL010B-1	277-300VAC	80-130V	630W	94% Max	-	-	0.99	0.98

### Electrical Specifications

Input Voltage Range	100-300VAC
Input Frequency	47-63Hz
Power Factor	0.99 ( Max ), >0.95 240VAC input, 40%~100% load
Input Current	2.62A at 240VAC, 2.42A at 277VAC
Inrush Current	60A at 240VAC, 25°C cold start
Leakage Current	0.5mA Max at 240VAC / 50 / 60Hz input
Maximum Output Power	630W
Output Frequency	120Hz
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, 50Hz input, 100% load <10%, 240VAC, 60Hz input, 100% load

### Environmental Specifications

Operating Temperature	0°C~+35°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)	577.3 × 376.2 × 188.4mm
Weight	

### Safety & EMC Compliance

UL / CUL	UL1598 / CSA C22.2 NO.250
CE	EN61347-2-12

### Mechanical Outline ( Unit: mm )

