

### SunPlix CMH-315F

### Low Frequency Square Wave Grow Light

#### Introduction:

CMH-315F low frequency, square wave digital 315W CMH grow light utilizes Fuzzy Logic 4<sup>th</sup> Generation ballast technology. The patent technology keeps lumen maintenance rate higher than 95% at 30,000 hours and maintains the initial spectrum so you can use your light much longer than traditional HPS grow light. We estimate that the lamp can be used for more than 10 years.

Besides the long lamp lifetime, CMH-315F gives off full spectrum light which is similar to sunlight and better than LED.

The light generates much less heat because more power is converted to useful light, not heat. Comparing to HPS grow light, it saves about half power.

Name	Description
Input power	349W
Output power	315W
Operating voltage	120V/208V/240V (277V, 347V, 480V optional)
Amperage drawn	2.91A/120V, 1.68A/208V, 1.45A/240V
Safe voltage	94V~276V
Input frequency	50/60Hz
Power factor	>0.99
THD	<6%
Efficiency	>91%
Communication interface	N/A
Lamp wire length (Max)	100 feet (16 gauge lamp wire)
Power/light output	315W
Protection functions	Protection of short-circuit, open-circuit, over-voltage, under-voltage, over-current, hot lamp startup, lightning, over heat, and lamp failure with lamp life warning.
Lighting dimension	L: 21", W: 14", H: 6"
Net weight	7.6 lb
Warranty	3 years
Certification	UL, CUL, FCC
Reflector	Horizontal. Can be attached to ballast or be installed remotely. Size: L: 17", W: 14", H: 6".

#### **Characteristics:**

Input:

Black wire: AC power Line wire White wire: AC power Neutral wire Green wire: Ground wire

#### **Output:**

Black wire: AC power Line wire White wire: AC power Neutral wire Green wire: Ground wire

### **Cautions:**

- CMH-315W digital ballast should work on operating voltage with corresponding bulbs. High power bulb can be used to dim to low power output, but not the reverse.
- > The work environment temperature for the ballast ranges from  $-40^{\circ}\text{F}/-40^{\circ}\text{C}$  to  $+122^{\circ}\text{F}/+50^{\circ}\text{C}$ , the maximum work temperature of its shell can be  $+158^{\circ}\text{F}/+70^{\circ}\text{C}$ .
- The ballast should avoid working under high temperature environment which will affect its service life.
- The combustible substances and corrosive gas should not be placed in the work environment of the ballast.
- Should a ballast is damaged, do not try to fix it. Users should exchange it with suppliers or send it to the factory for maintenance.



315W T9



315W T12



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## SunPlix 315 is the best CMH grow light in the market

# The reflector is designed to minimize light loss and maximize light coverage



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