



## SunPlix CMH-315W

### LFSW IR Dimmable Digital Ballast

**Introduction:**

CMH-315W low frequency, square wave 315W CMH digital ballast utilizes Fuzzy Logic 4<sup>th</sup> Generation ballast technology. The patent technology can keep lumen maintenance rate higher than 95% at 30,000 hours and maintain the initial spectrum. It can ignite lamps more than 100 feet away. With LamPal® technology, this ballast can work with 150W, 210W, 315W and 350W CMH/HPS/MH lamps. You can use the remote control to turn on/off the light and decrease a 315W lamp to 210W and 150W and increase to 350W. You can use the 0-10V module to adjust power output from 150W to 350W continuously.

When lamp power is decreased, it saves energy and shifts light spectrum to more blue light for veggies; when lamp power is increased, it outputs more strong light and shifts light spectrum to more red light to grow more and bigger flowers and shorten the growing circle.

**Characteristics:**

Name	Description
Input power (Max)	389W
Output power (Max)	350W
Operating voltage	120V/208V/240V/277V
Current drawn (350W output)	3.24A/120V, 1.87A/208V, 1.62A/240V, 1.40A/277V
Safe voltage	94V~319V
Input frequency	50/60Hz
Power factor	>0.99
THD	<6%
Efficiency	>92%
Communication interface	0~10V
Lamp wire length (Max)	100 feet (16 gauge lamp wire)
Power/light output	0W (On/Off), 150W, 210W, 315W, 350W or 150W~350W
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.
Size	L: 10", W: 5.1", H: 4"
Net weight	5.4 lbs
Warranty	3 years
Certification	UL, CUL, FCC

**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 down 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 shell of the ballast has the function of heat dissipation, so proper space should be reserved for heat dissipation.
- 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.
- The ballast is waterproof designed, but it is not for working under water.
- If the ballast is damaged, it cannot be opened. Users should exchange it with suppliers or send it to the factory for maintenance.

315W T9



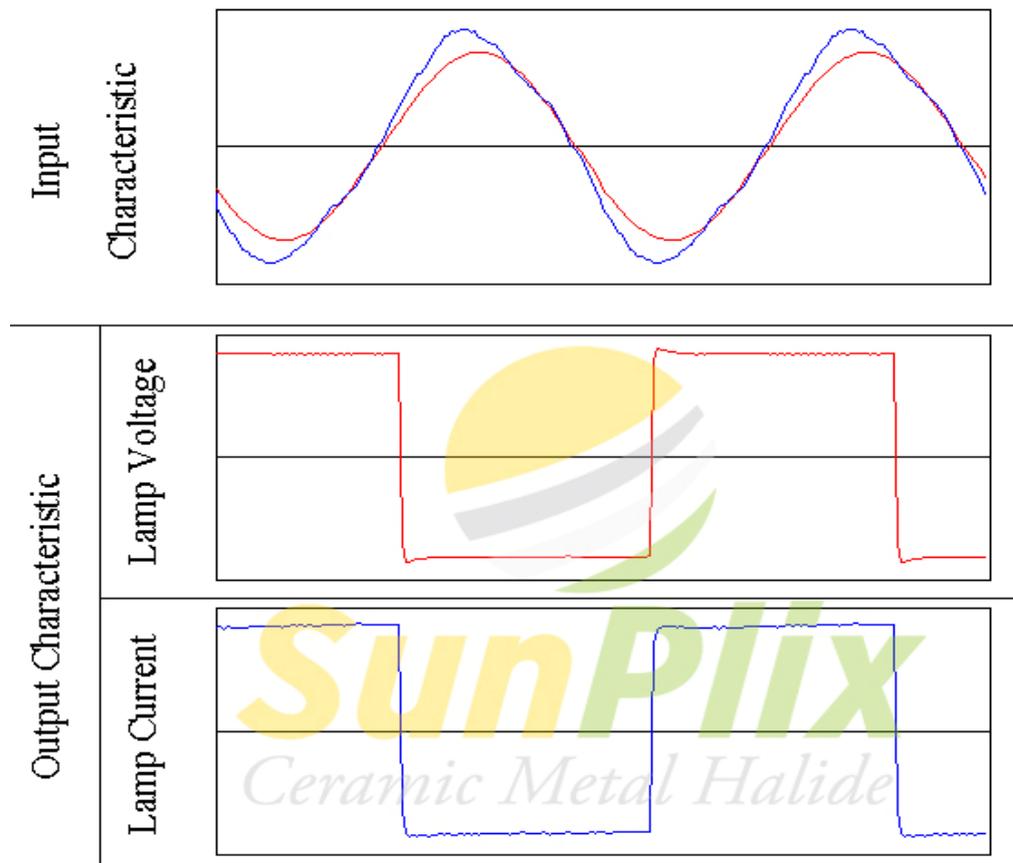
315W T12



315W ED37



**SunPlix CMH ballast is the real low frequency, square wave CMH ballast**



**Other brand CMH ballast is NOT the real low frequency, square wave CMH ballast**

