



SunPlix CMH-315W

LFSW IR Dimmable Digital Ballast

Introduction:

CMH-315W low frequency, square wave 315W CMH digital ballast utilizes Fuzzy Logic 4th 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



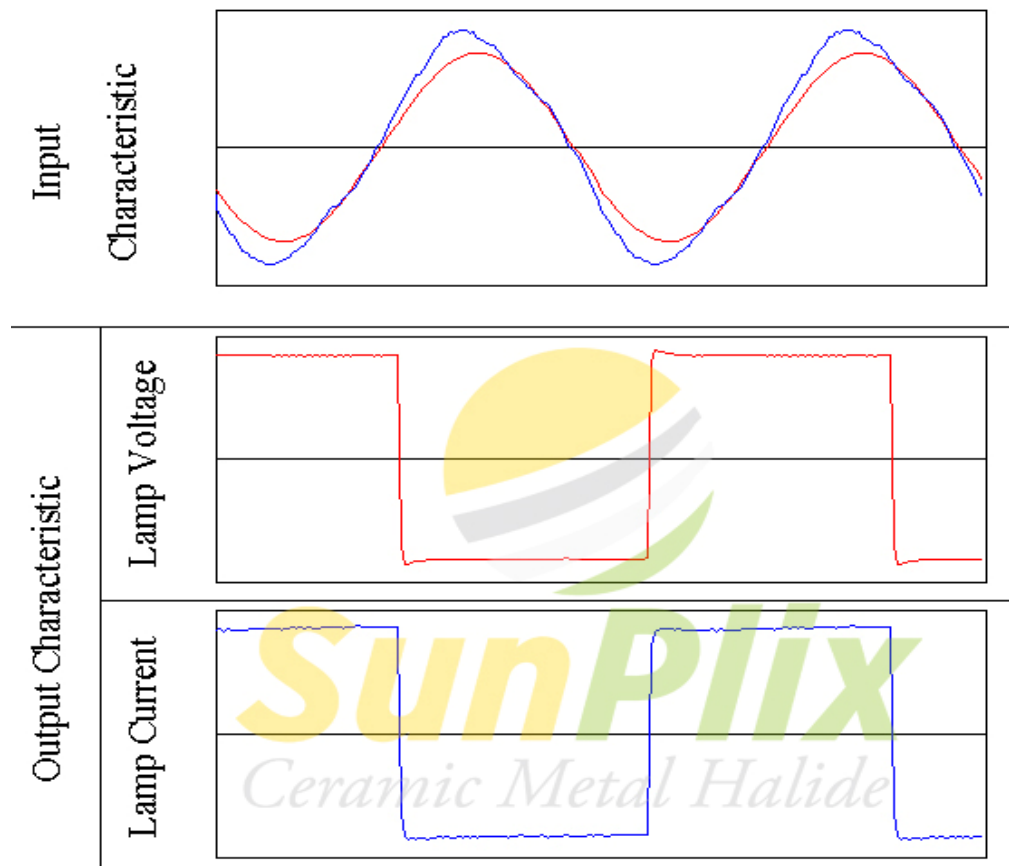
315W T12



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

