



NANOLUX OPERATING INSTRUCTIONS

HPS - MH 250w/400w/600w/1000w

DESCRIPTION:

The revolutionary Nanolux Ballast is about to change everything you expect from the single most important driving force of any indoor garden—Your Lighting!

The Nanolux ballast is the coldest operating, smallest, brightest, lightest, most intelligent, and simply the most reliable electronic ballast on the market today.

In addition to the popular dimming function, which allows you to operate your ballast at 110% 100%, 75%, and 50% power, we have also incorporated an intelligent ignition system where multiple ballasts will ignite at 0-15 second intervals varying the initial power draw when using multiple ballasts. There is also a microprocessor in the ballast that monitors and performs safety-check systems which allows a “hot start” or a re-ignition of a bulb during a power failure or perhaps on accidental disconnect of the power cord or lamp cord. The Nanolux Ballast is simply the most dependable ballast in existence.

SPECIFICATIONS:

- Operates both Metal Halide (MH) and High Pressure Sodium Bulbs (HPS).
- Ignites bulbs from up to 20 meters (65 feet).
- Intelligent Ignition will attempt to reignite a bulb between 20-50 seconds after a power failure.
- Nanolux Cloud Control System (NCCS) models are ready for WiFi remote control of up to 100 meters in distance (about 300 feet).

OPERATING INSTRUCTIONS

1. Always operate your Nanolux ballast away from any potential heat or moisture sources.
2. Do not hang the ballast by the power cord or lamp cord.
3. Always make sure both the power cord and lamp cord are firmly connected and grounded.
4. There is no power “On/Off” button. The moment the ballast is plugged into an electrical source it turns on. Use a timer to schedule on/off periods or you may use the Nanolux Cloud Control System (NCCS) to program on/off times by remote control software (on available models).
5. Mount each unit at least 15 centimeters (6 inches) from each other.
6. Though the Nanolux complies with worldwide regulations regarding possible electrical interference, for safety purposes, it is best to avoid operating the ballast near critical navigation systems and/or other communication systems including radio equipment operating between (.45-30)Mhz. Should any interference exist, moving the ballast 3 meters (10 feet) away from radio/navigation equipment should relieve the issue.
7. You may select or change your dimming option before the bulb ignites or after bulb has already been ignited. The microprocessor takes 5-10 seconds intervals to brighten or dim the bulb.

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LED STATUS INDICATOR

The Nanolux ballast comes with and integrated with an LED Safety-Check System. The LED indicator allows a user to quickly diagnose any problems that may arise. The LED can perform the following indications:

- **Continuous Green LED:** Ballast is operating normally.
- **Blinking in ½ Second intervals:** Fan failure or obstruction.
- **Blinking in 1 second intervals:** Under voltage (80 VAC) or over voltage (290 VAC) Protection. Check your main power supply should this occur.
- **Blinking in 2 second intervals:** Short or open circuit protection. Check lamp cord connection and check the bulb condition and if it is properly secured or screwed in its socket. Ballast will attempt to restart within 20-50 seconds. It is programmed to shut down after 20 ignition attempts for safety purposes.
- **Blinking in 3 second intervals:** High temperature safety shutdown. The ballast will automatically restart when the internal temperatures are under 55 °C (131°F).

Care and maintenance of your Nanolux Ballast is simple. Wipe the unit down with a clean dry cloth periodically and keep the fans free from debris and dust. Avoid contact with water and keep out of reach from children and pets.

WARRANTY

Thank you for choosing the line of Nanolux products for your garden. Nanolux guarantees that this device is free from defects in material and factory workmanship. Equipment faults caused by misuse, abuse, or operator error may void the warranty. We are proud to be the best in the industry and provide a three (3) year warranty on our products. For warranty service please return the ballast with the original sales receipt to the place of purchasing. If you have any questions or concerns regarding your Nanolux product please contact help@sznumber.com, the retail store where you purchased your ballast, or a certified electrician.

*****WE NEED TO KNOW ABOUT SUPER LUMENS AND DISCRETE VOLTAGE OPERATIONS: TO BE INCLUDED IN THIS INSERT. DEPENDENT ON WHEN THE NEXT BATCH WITH FEATURES WILL BE AVAILABLE.**

