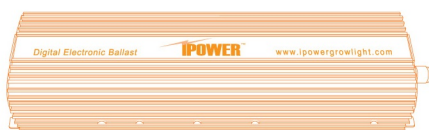
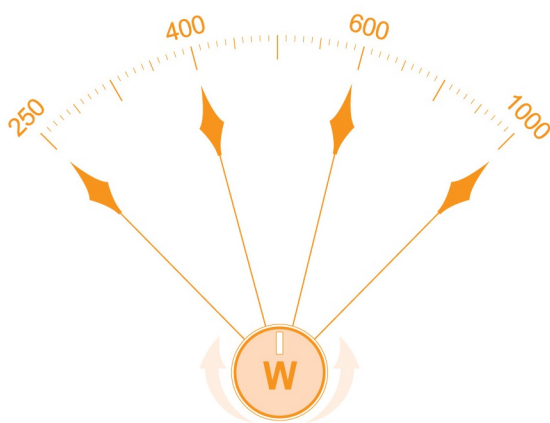


OPERATING MANUAL

DIGITAL ELECTRONIC BALLAST

For iPower Digital Electronic HPS/MH Ballast




IPOWERTM
California.USA
www.ipowergrowlight.com

Disclaimer

We advise our users to carefully read through all the details before initial usage. Failure to observe these safety warnings will result in a waiver of all liabilities and warranties, and may result in serious injury or death. Keep away from children!

1 CAUTION ⚠️⚠️⚠️

Please only use the appropriate wire gauge for the power cord. We recommend using the one included with the ballast. Choose a highly ventilated area for mounting (external air cooling recommended).



- DO NOT expose to sunlight.
 - DO NOT allow water contact.
 - DO NOT mount to reflector.
 - DO NOT operate in high humidity.
 - DO NOT blow exhaust air to the ballast.
 - DO NOT stack ballasts on top of each other. Ballasts must be at least 150mm (6") apart.
 - DO NOT mount in enclosed spaces (such as attic or closet).
 - DO NOT attempt to open the casing of the iPower Ballast
 - DO NOT alter or modify the iPower Digital Ballast in any way.
- The amount of amperage combined with the high frequency can be dangerous!
- DO NOT connect input and output together.
 - DO NOT run mismatched bulbs and ballasts; bulb wattage rating should always be the same as ballast wattage rating.
 - DO NOT make contact with the bulb during its operation.
- SECURE all ballast, socket and power cord connections.
- NEVER connect power cord from the wall to the ballast before connecting the lamp fixture to the ballast.
- If the bulb appears to be damaged, DO NOT attempt to use it. ALWAYS wear eye and skin protection within the light's primary operating proximity.
- This system will generate too much heat to be used in an enclosed area without ventilation. Adequate ventilation is required for all 1000w system. We recommend the use of an iPower inline fan.**

2 Specifications

- Automatic HPS/MH Detection (no switches)
- Operating temperature: -40°C ~ 65°C
- Power supply frequency: 47 ~ 63 Hz
- Operating frequency: 25 ~ 100kHz
- Acoustic resonance: None
- Fan (optional): 40mm
- End-of-bulb-life protection
- Overheating protection
- Dimming controls with manual knob (optional): 50%, 75%, 100% power level
- Operating voltage range: 100V ~ 265V
- Power factor: > 0.97 (1000W, 600W) > 0.99 (250W, 400W)
- Total harmonic distortion (THD): < 10%
- Crest Factor: < 1.7
- Open/short circuit protection
- Ignition failure protection

GUIDE Installation Guide

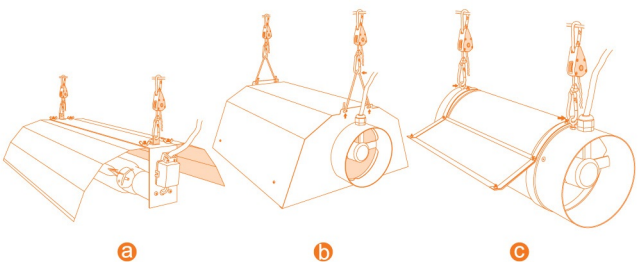
This is an installation guide for the iPower Digital Ballast with iPower Hortilife Bulb and fixture. If another type of bulb or fixture is used, please ensure that the component is compatible with digital ballasts.

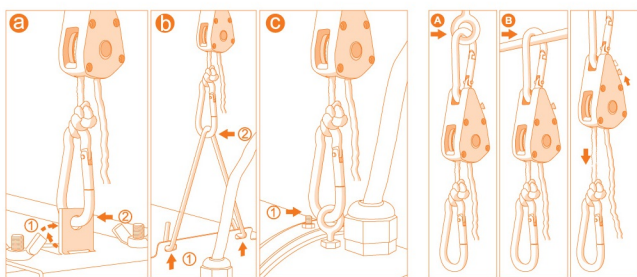
1 Unpack all items in the box and inspect for any visible damage

If there is any damage on any glass, DO NOT use the item and contact your vendor for a replacement. If the ballast has any damage that results in gaps, punctures, or loose cords, DO NOT use the item and contact your vendor for a replacement.

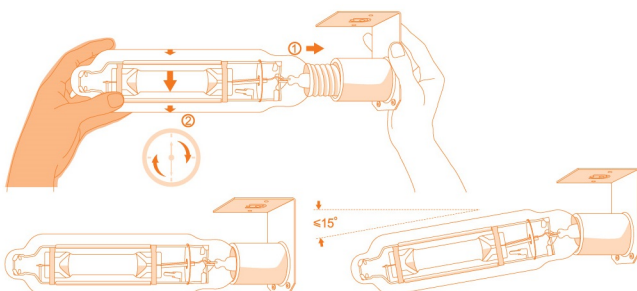


2 Mount the adjustable hangers to the ceiling

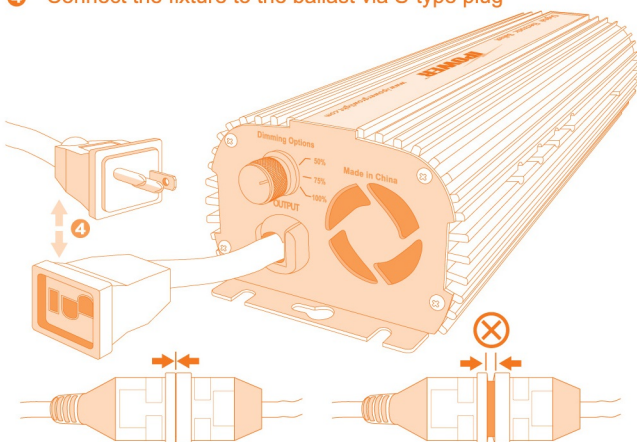




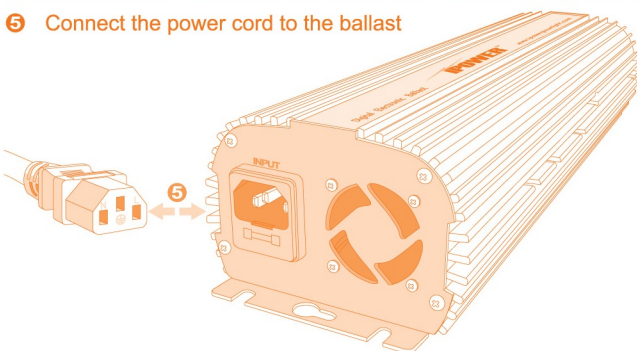
3 Install the light bulb into the ceramic socket



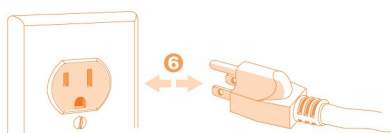
4 Connect the fixture to the ballast via S-type plug



5 Connect the power cord to the ballast



6 Connect the power cord to the wall outlet



7 Shutting Down

DO NOT unplug the fixture cord from the ballast while the system is on. **ALWAYS** unplug from the wall socket or disconnect with a switch. **DO NOT** make contact with the bulb immediately. Please wait at least 15 minutes if you have thermal protection, or 30 minutes without.

The micro-processor within the ballast will automatically detect the bulb type (HPS/MH) and input voltage (120V/240V). Please wait at least 5 minutes before turning the ballast on with a new setting.



Troubleshoot Instructions

- 1 Check all connections. Make sure all the plugs are firmly in place.
- 2 Make sure the bulb is screwed in properly
- 3 Make sure the circuit breaker and/or surge protectors are on
- 4 Eliminate the timer (if applicable)
- 5 Use a different bulb (if applicable)
- 6 Visually inspect the bulb for any damages, burn marks, or cracks at the core:
 - If present, replace the bulb
- 7 If there is no spark from the bulb, check the ballast fuse:
 - Visually inspect the fuse and check for signs of burns or cracks
 - If the fuse is damaged, replace the fuse
- 8 If the bulb filament is completely ignited before the system shuts off:
 - Ballast may be defective
- 9 If the system shuts off before the bulb filament is completely ignited:
 - Bulb may be defective
- 10 If the system shuts off randomly after the bulb filament is completely ignited:
 - Ballast may be defective
 - Bulb socket with cord assembly may be defective

QUESTIONS?

888 205 6020



E-mail: cs@ipowergrowlight.com



Register your warranty online
to protect your purchase.

www.ipowergrowlight.com/warranty




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