



## COMMERCIAL DIGITAL DIMMABLE BALLAST

QT1000 • QT600 • QT400

**Quantum ballasts are designed and built for commercial growing environments.**

**Features:** Soft Start Technology ensures that lamp start-up is as lamp friendly as possible while maintaining consistent ignition. Randomized firing sequencing allows large ballast installations to be turned on simultaneously without taxing circuit breakers or switches.

### Specifications:

Power Factor: 99%

Crest Factor: 1.7%

Input Voltage Range 100-265 VAC

Total Harmonic Distortion (THD) < 10%

Operating Temperature: -30°C (-22°F) to 55°C (131°F)

Output Frequency: ≥ 30KHz

Strikes both HPS and MH lamps

Strikes bulbs from distances up to 100ft

Compatible with ALL Flip Box brands

Generator Ready

50 Hertz to 60 Hertz operation allows for bulb brand and type versatility

### Operating Instructions:

1. Make sure the power supply cord and lamp lead are properly connected.
2. Ensure the bulb is properly seated in the socket assembly. It should be tight, but not stressed.
3. Always use a bulb centric to the highest output of the ballast (e.g. 1000w bulb/1000w ballast, 600w bulb/600w ballast, etc.)
4. Confirm the ballast is not near any source of moisture or standing water.
5. Check the sealed bearing fan to confirm it is free from any obstruction. This should be periodically checked to make sure it stays clear and clean.
6. Plug the power supply cord into an appropriate power supply.
7. After ignition, give your lamp a minimum of 30 seconds to reach full power.
8. Always allow the bulb to cool before re-striking the ballast; we recommend 15 minutes.
9. Ballast can be cleaned using a clean, dry towel. Should the ballast somehow become wet, turn off main power supply and unplug the unit before attending to it.
10. Allow 10 seconds between power adjustments when using the Dimmer Switch. This will allow the ballast sufficient time to gather electrical charge to increase wattage output.

Remember, safety first. Although incredibly rewarding, indoor growing can present dangerous situations. Never allow standing water to be present, never hang a ballast from either the power or lamp cord, and always make sure your equipment is fastened safely and securely. Your ballast does not require any switches or re-wiring to change voltage or bulb spectrum. Simply turn off and unplug the unit and allow bulb to cool before changing cords or bulbs, respectively.

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.

### WARRANTY



Hydrofarm warrants the ballast to be free from defects in materials and workmanship. The warranty term is 3 years beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. Hydrofarm will, at our discretion, repair or replace the ballast covered under this warranty if it is returned to the original place of purchase. To request warranty service, please return the ballast, with original sales receipt and packaging, to your place of purchase. The purchase date is based on your original sales receipt.