

You don't buy dirty, poor quality nutrients, so why would you feed your plants "dirty" light?



1000w



Here's what's wrong with current digital ballasts:

Imagine that instead of a normal light, all your plants had to feed from was a strobe light. So your plants were stressed all the time because the light they received was inconsistent. This is important, because plants are just as prone to stress as you or me. Anyone who's dealt with clones and transplants knows this.

Well, human eyes have limits to what they can perceive. And when it comes to light, one of those limits is called the "flicker frequency". If a light is flickering faster than about 24 times per second, our eyes don't pick up on it. Our brains might, on some level, which is why we can get migraines or feel strange when we work under lights with unusual frequencies. But visually, it's usually beyond our grasp.

Current digital ballast technology uses energy output that is inconsistent and unstable. Just like the strobe light mentioned above. Only we don't notice it because it all happens faster than 24 cycles per second. The thing is, your plants do.

The Advantage of "Square Wave" Technology

Using "clean light" with square wave energy output, instead of the "dirty" sawtooth waves forms current digital ballasts use, means one thing: you get nearly 100% consistent light, 100% of the time. Not only

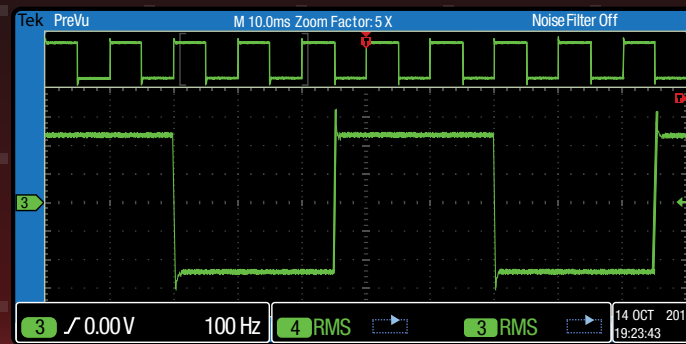
that, but our labs have measured more than just the energy output. We've measured the light as your plants use it. Our tests confirm that light produced from our "Square Wave" ballast is completely stable and void of any variations in output or intensity. And you can get these results using any bulb you like.

But that's not the whole story. Sure, the design is nearly perfect. And we have measured these uncanny results in the lab. But how do you know the product you're buying at the hydro store is up to par? How can we prove to you these results aren't exclusive to prototypes in heavily controlled environments?

BaddAss Quality Control

Eli Weinkle has a background in electronic manufacturing for the defense and aerospace industry. Advanced Nutrients was lucky enough to sign him on as our lead engineer. Eli and his team work with two independent qualification labs for our ballasts: one in Los Angeles, the other in Orange County. Once the ballasts have passed exhaustive

▼ BaddAss Low Frequency 1000w Ballast - operating frequency: 100 Hz



testing from both of these labs, they're sent back for the final test... performing flawlessly under the watchful eye of their creator, Eli Weinkle. At this point they're given a red or green light.

Once the green light is given, the process is repeated a second time, with each of the labs, just to make sure.

After all this, there's still a 100% quality inspection at the factory. Plus, even after the units are delivered, Eli and his team pick out random units to do additional lot testing to make sure nothing's going wrong in the factories.

Ballast with a Brain

BaddAss Ballasts are the first ballasts with Intellistrike™ technology. What does this mean? Simply put, in case of a power outage or power cycle, the Intellistrike technology is there to protect you. Intellistrike ensures your system recovers and powers back up as soon as possible. Even in the case of a hot-hot restrike, the BaddAss Ballast's Intellistrike system will monitor the lamp's condition. Then, it will re-initiate the strike sequence once every 45 seconds until the lamp is conditioned and ready to reignite.

This prevents unnecessary stress on the lamp. Because a full-ignition start up is only performed when the lamp is ready for it. In addition, Intellistrike gives you peace of mind. If something goes wrong while you're away your system will recover properly and continue to provide clean, consistent light to your plants. You can count on it.

You can also count on a faster start-up time because of the way square wave power is applied to the bulb.

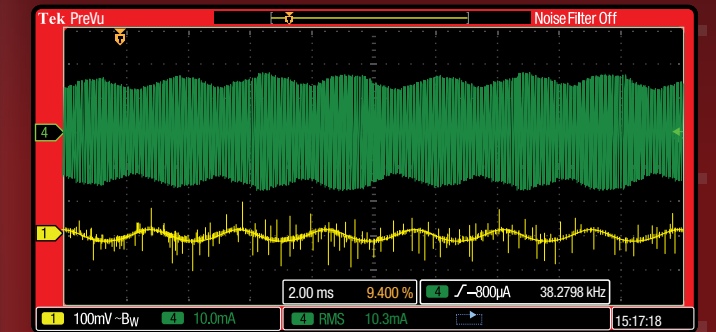
By contrast, high frequency ballasts literally cause your bulbs to beat themselves apart because of the intense vibrations. So your bulbs can, and often will, break down. When this happens, in some cases, bulbs explode and burn houses down. This is not some marketing hype. Sadly, it's absolute fact. Please be vigilant and aware of the condition of your bulbs if you're using high frequency ballasts.

It's also worth noting because the BaddAss Ballast uses cutting-edge low frequency technology, virtually eliminating RF noise as compared to the firestorm of noise put out by high frequency ballasts. And their RF noise often causes HUGE amounts of static and "SNOW" over your home's TV and radio. Even worse, if your neighbors are close to you, that kind of excessive RF noise will cause their TV and radios to do exactly the same.

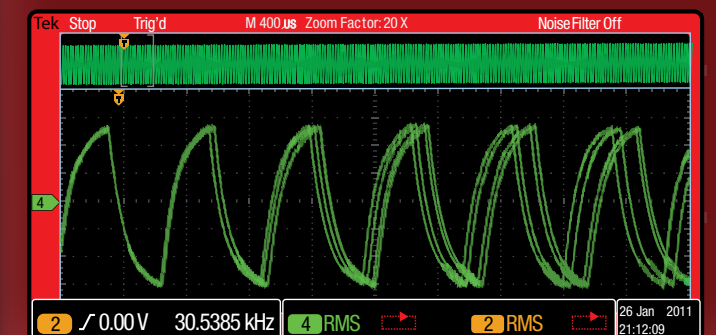
▼ Green=Energy from ballast. Yellow=Light from bulb. You lose zero performance



▼ Green=Energy from ballast. Yellow=Light from bulb. Example of "dirty" light."



▼ Galaxy Electronic 1000w Ballast / operating frequency: 30,000 Hz



Finally, your BaddAss Ballast is available in 1000watts, with a 3-way dimming switch. (1000w, 750w, and 500w settings.) It's also guaranteed. Here's how:

"BaddAss Ballast Two-Track Guarantee"

- 1. Manufacturing and workmanship:** Your BaddAss Ballast is covered for all Manufacturing and Workmanship for 5 years. If your BaddAss Ballast falters due to workmanship or parts, return it immediately for a swift replacement, free of charge.
- 2. 6 Months Unconditional Guarantee.** If, for any reason, you're not completely satisfied with it within the first six months of purchase, return it immediately for a complete refund of the purchase price. As always, we're dedicated to your gardening success.

➔ See the Square Wave difference for yourself. Visit your local hydroponics store and ask for your BaddAss Ballast today!

