

The Lumatek Digital Ballast

Welcome to the future!

LUMATEK
ELECTRONIC BALLAST

Bad Ass!

Brightest "E" Ballast on the Market



- ✓ **More Lumens** — 20-30% more lumens than magnetic ballasts
- ✓ **Brighter** — 8-15% brighter than other brands on the market
- ✓ **Completely Silent** — Leave the humming and buzzing behind
- ✓ **Best Warranty in the Industry** — 3 years full warranty + 2 years prorated
- ✓ **Small Compact Design** — Under 10 pounds
- ✓ **Available in 120V and 240V** — Choose the voltage that suits your needs

Lumatek ballasts are completely sealed from the inside and are water resistant. Available in 250W, 400W, 600W, 750W and soon in 1000W.



"The Lumatek electronic ballast produces up to 27% more lumens than a standard core and coil (magnetic) ballast while drawing less electricity. The Lumatek ballast is completely silent (no more humming) and produces less heat than a standard ballast. Because of the Lumatek's soft start technology, the lamps last up to three times as long. Test data has shown that a Lumatek

600 watt ballast produces within 5% of the useable light of a 1000 core and coil ballast! Digital ballasts also do not degrade as standard ballasts do. Over time magnetic ballasts become louder, produce less light, emit more heat and use more electricity. Electronic ballasts maintain their efficiency throughout their life span.

Why choose electronic ballasts over a core-and-coil (magnetic) ballast?

- Fast startup - reaches full brightness in under 1 minute; magnetic ballasts typically take about 20 minutes
- Completely silent - you have to put your ear up to the ballast before you can detect the slightest sound
- Small, compact design - 600W 240V ballast weighs less than 11 pounds compared to 40 pounds for magnetic ballasts
- Produces less heat than magnetic ballasts
- Cut-off-circuitry - automatically shuts off in case of a short
- Efficient - uses less electricity than magnetic ballasts
- Longer bulb life - lumen output loss over time is dramatically less than with magnetic ballasts
- Lumatek ballasts can light both MH and HPS lamps; the 600W HPS ballast will also light 600W MH conversion bulbs
- More lumen output - 20-30% more lumen output than regular ballasts

Why choose Lumatek over a Future Bright, ROM Light, Terra Grow or other electronic ballasts?

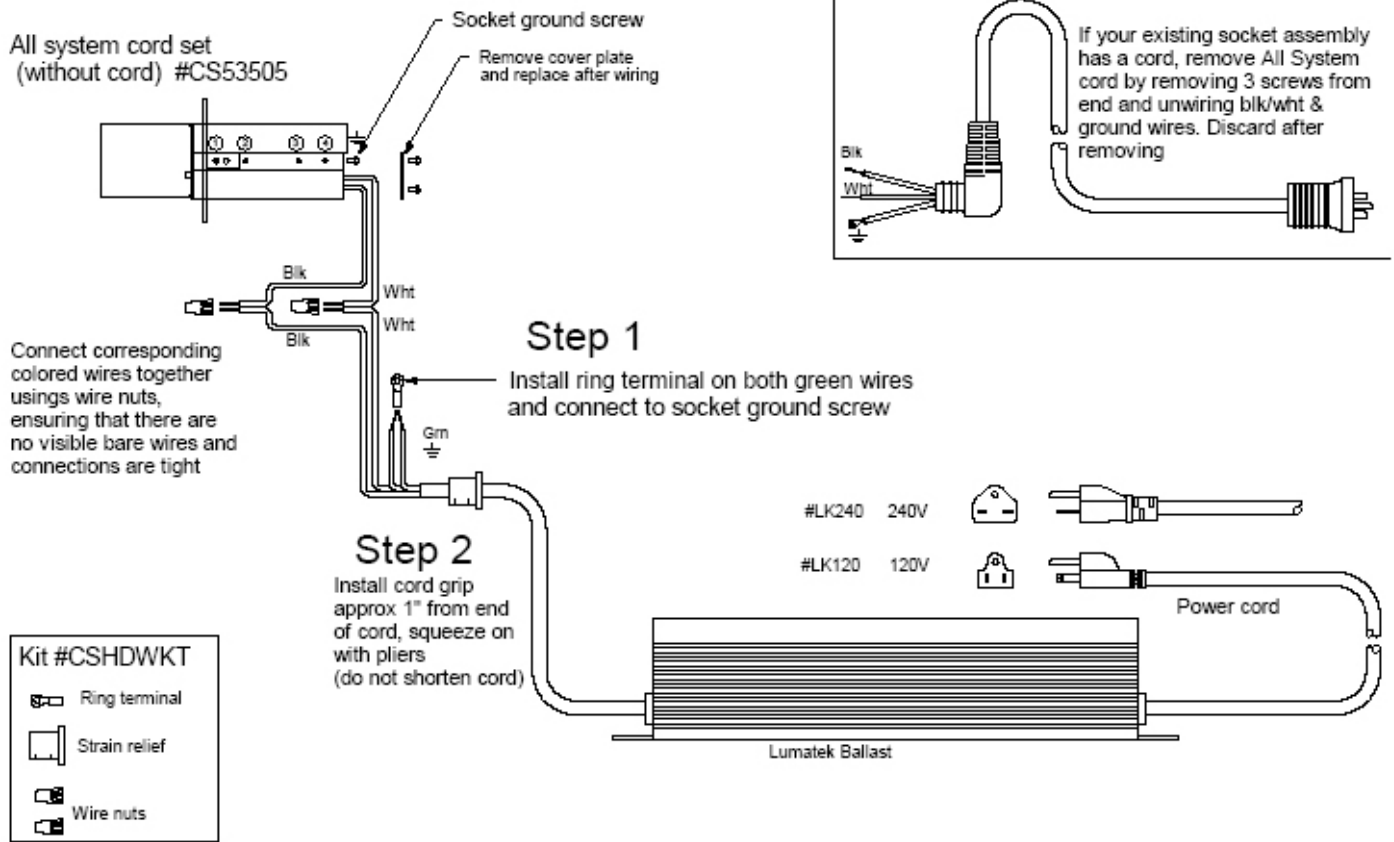
- Lumatek ballasts include a 15 foot RF shielded output cord that can be extended up to 30'. All other digital ballasts can only have a 10-12 ft lamp cord, and most of them interfere with radio and satellite TV signals because they are not shielded. If you don't see the metal mesh between the outer insulation and the wires in the lamp cord, then it's not shielded (no matter what the sales person tells you).
- There are no fans to break down and make noise; fan-cooled ballasts have a high failure rate, especially if they are utilizing cheap fans - the Lumatek's failure rate is only about 3 in 1000. Lumatek ballasts can withstand very high temperatures and the epoxy used to seal the ballasts also act as a heat sink, so Lumatek ballasts do not require fans. Although many fan-cooled ballast manufacturers state that their ballasts are cooler to the touch, they are just blowing the hot air created by the ballast out into the room, so although their ballasts may seem cooler to the touch, your room really isn't any cooler with these ballasts. In addition, the large openings required for these fans also allow dust to enter the unit and fire to escape if they malfunction (yes, we saw this happen to one customer).
- The ballast can be mounted in areas of high heat, up to 140 degrees
- Every ballast is tested and burned in for 12 hours at the factory
- The Lumatek ballast has the best warranty of all electronic ballasts -5 YEARS! (3 year exchange 2 year prorated). Future Bright: only 2 years (an optional 3rd year can be purchased for an \$40.00). ROM Light: only 3 years. Terra Grow: 1 year replacement; 4 years prorated.
- Lumatek ballasts are 8% brighter than ROM and Future Bright ballasts
- No fans to break down after 1 year
- Safer - the Lumatek is completely sealed from the inside (as are most high-powered fluorescent ballasts). Although the Future Bright ballast claims to have the same overload protection and sleep mode function that Lumatek has, we have seen several customers who experienced situations where the ballast should have shut itself down but never did (even when the ballast was submerged in water!). Lastly, we have dropped Lumatek ballasts from over 5' in the air onto the hard ground while still plugged in repeatedly to

demonstrate to customers how durable and safe these ballasts are, and the light never even flickers - don't try that with any other ballast!

- Lumatek ballasts are the only digital ballasts endorsed by G.E. and U.L. approved at the time of this writing.

Why doesn't Lumatek offer their ballasts with a switchable voltage feature?

- 240V electronic ballasts run much more efficiently than their 120V counterparts. Some electronic ballast manufacturers offer a switchable voltage feature that allows you to switch from 120V to 240V. What they are actually selling is a 120V ballast that will operate on 240V, but you lose all the efficiency advantages that you would normally gain by running a true 240V electronic ballast.



Important information regarding Lumatek ballasts:

1. 240V ballast wiring - VERY IMPORTANT! It has come to our attention that customers are using a NEUTRAL wire in their 240V electrical system. Lumatek ballasts will malfunction if the 240V circuit has a NEUTRAL. The input for the ballast is 2 HOT WIRES and 1 GROUND WIRE. Some electricians insist on wiring a neutral with their 240V installations. This should not be done when using electronic ballasts. If you are using a light controller ONLY bring a ground wire and two hot leads from your electrical panel.
2. All electronic ballasts (not just Lumatek) are not able to consistently ignite SOLARMAX bulbs. Solarmax bulbs require a very high voltage to start. The Lumatek's soft start technology will not provide enough voltage to light this brand of lamp. They will also not fire Multi Vapor Metal Halide bulbs.
3. Electronic ballasts should not be used on generators. Damage to ballasts caused by electric generators will not be covered under warranty.
4. Electronic ballasts will work only with Metal Halide and High Pressure Sodium lamps. They will not work with Mercury Vapor (MV) or pulse strike metal halide lamps.

Lumatek electronic ballasts are available in 250W, 400W, 600W, 750W and soon 1000 watt versions. Most ballasts are available in either 120V or 240V.

Lamp cord is included. Socket assembly is sold separately. The socket assembly you choose should match the reflector you are going to be using with your Lumatek ballast."