

DIGITAL BALLAST INSTALLATION

*Thank you for purchasing a Lumatek Digital Ballast.
We are certain you will be more than satisfied for years to come.*

The Lumatek Ballast is the brightest in the industry. Light meter readings indicate the Lumatek is up to 27% brighter than common magnetic ballasts and 10 – 15% brighter than competing electronic ballasts. Over time, magnetic ballasts degrade, become louder, use more electricity, and produce more heat, while the lumen output declines. Digital ballasts do not degrade and maintain their lumen output and efficiency over the life of the unit.

The Lumatek is not just your standard electronic ballast, but is a more advanced E-Ballast. What is the difference? E-Ballasts use a micro-processor similar to your home computer. This micro-processor allows the E-Ballast to run halide or sodium lamps, make adjustments based on the type of lamp it is running, and will even compensate for degrading lamps by increasing output. Electronic ballasts have a constant output and cannot make adjustments or changes. There are plenty of other digital ballasts on the market, do not assume they are all the same. Typically they use inferior components and are not true E-Ballasts.

The Lumatek is programmed for a ‘soft-start’ and does not require an initial surge of power to light the lamp. This increases the lamp life and allows the end user to start multiple ballasts at the same time without tripping breakers. To ensure safe operation, the Lumatek is programmed to automatically shut off in case of a short in wiring or a faulty or missing lamp.

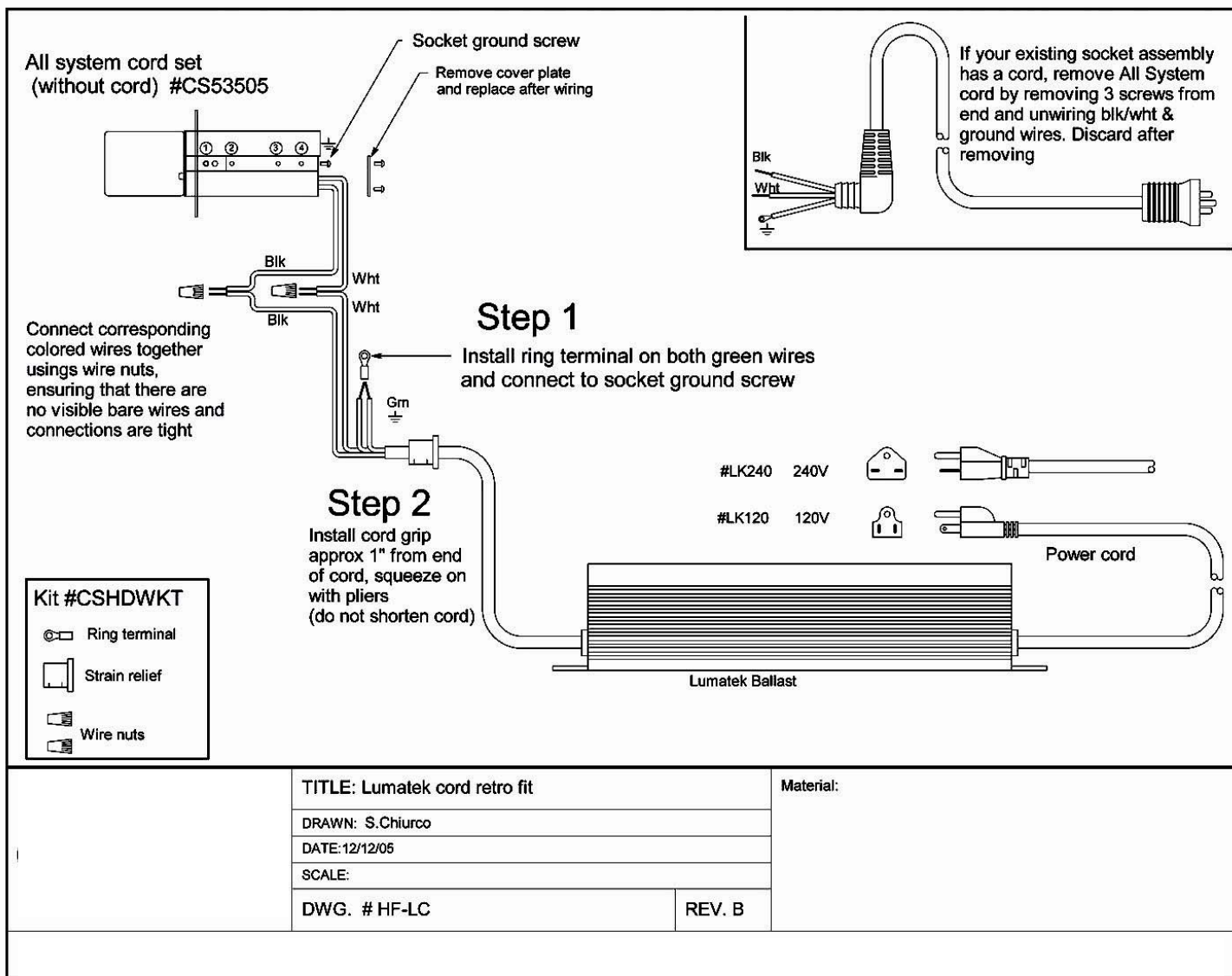
The Lumatek uses a resin-sealed case for completely silent operation without a noisy fan. Each unit is burned in at the factory for twelve hours to ensure maximum reliability. The Lumatek comes with a 15ft. RF shielded output cord. Competing brands of digital ballasts not using shielded cords can disrupt radio or satellite signals for up to 50 yards. The same interference can also be experienced with pH monitoring equipment. The Lumatek ballast, if properly connected, will have minimal RF interference (less than 5 ft.) and will not interfere with pH monitoring equipment.

Please see wiring diagram on reverse side.

5 YEAR WARRANTY

Lumatek warrants its digital ballast to be free from defects in materials and workmanship. The warranty term is **3-years full + 2 years pro-rated beginning on the date of invoice**. Misuse, abuse, or failure to follow instructions are not covered. Lumatek will, at our option, repair or replace products covered under this limited warranty that are returned to its facility. To request warranty service, you must call Lumatek Customer Service at 866-369-8943 within the warranty period. If warranty service is required, Lumatek will issue a Return Material Authorization Number. You must ship the product back to Lumatek in the original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Lumatek will ship the repaired or replacement products to you freight prepaid if you use an address in the continental US or where applicable. Shipments to other locations will be made freight collect. **Purchase date is based on the original sales receipt. Please save your receipt, as a copy is required for all warranty services.**

Standard Wiring Guidelines



IMPORTANT WIRING BULLETIN FOR LUMATEK BALLASTS

- 240V ballast wiring: **VERY IMPORTANT!** It has come to our attention that many customers are using a NEUTRAL wire in their electrical systems. The Lumatek ballast will malfunction if the circuit has a NEUTRAL wire. The input for the ballast is 2 HOT WIRES 1 GROUND WIRE. Some electricians insist on wiring a neutral wire with their 240V. This should not be done when using electronic ballasts. If you are using a light controller bring **ONLY** a ground wire and two hot leads from your electrical panel.
- If you are using control boxes made by other manufacturers, you must **DISCONNECT THE NEUTRAL WIRE FROM THESE SYSTEMS**. Electronic ballasts will not work with these light controllers unless the neutral wire is removed from these systems.
- Electronic ballasts should not be used on generators. Damage to ballasts caused by electric generators will not be covered under warranty.
- All electronic ballasts are not able to consistently ignite lamps made by SOLARMAX. Solarmax lamps require a very high voltage to start. The Lumatek's soft start technology will not provide enough voltage to light this brand of lamp.
- 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.

Customers experiencing technical difficulties should contact our toll free support
1-866-369-8943