



DO YOU NEED TECHNICAL SUPPORT? IF SO PLEASE CALL: 1.866.369.8943

Lumatek™ Warranty Information

5 YEAR WARRANTY

Lumatek warrants its digital ballasts 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 purchase**. 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 your place of purchase. To request warranty service, you must return your ballast to your place of purchase along with your original receipt. **Purchase date is based on the original sales receipt. Please save your receipt. A copy is required for all warranty services.**

TROUBLE SHOOTING GUIDE

The following is a list of troubleshooting steps to follow if you are having issues with your ballast. If all of the trouble shooting techniques fail please bring your ballast back to your place of purchase to request warranty service.

HID LAMP WILL NOT START

POSSIBLE CAUSES	CORRECTIVE MAINTENANCE
LAMP LOOSE IN SOCKET	Screw lamp firmly into socket. Make sure the tab inside the socket makes proper contact with the base of the lamp. If lamp will not seat properly replace the socket.
INCORRECT VOLTAGE	Make sure you are using the correct input voltage with ballast. If using incorrect voltage disconnect the ballast from the power source immediately.
DEFECTIVE OR IMPROPER WIRING	Examine wiring to ensure it agrees with wiring diagrams on ballast label. Check connections to see that they are secure. If wiring a 240V ballast do not use a neutral. The correct wiring is two hot wires and a ground.
POOR ELECTRICAL CONNECTIONS	Check wiring and lamp contact with socket. Make sure the lamp cord is firmly seated in output receptacle.
INCORRECT LAMP	Verify that you are using the proper wattage lamp with ballast. Do not use a lamp manufactured according to European or Asian specifications as they will not provide consistent performance.
LAMP DAMAGE	Investigate possibility of outer bulb damage, particularly where glass meets base. Lamps may have been twisted too firmly into socket. Look for broken arc tubes or loose metal parts. Replace lamp.
BREAKER	If lamp will not start reset the breaker by pressing the white button located on the input side of the ballast.

LUMATEK™

ELECTRONIC BALLAST

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Lumatek™ Digital Ballast Information

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

IMPORTANT!

ENSURE YOU HAVE THE PROPER INPUT VOLTAGE
BALLAST IS NOT DUAL VOLTAGE
ENSURE YOU USE THE PROPER WATTAGE LAMP

All new Lumatek ballasts feature super lamp compatibility and should work perfectly with any lamp manufactured according to American specifications. Lumatek ballasts are voltage specific and **MUST** be operated on correct input voltage; 120 or 240 volts. Some digital ballasts operate on either 120 or 240 volts, however, these types of ballasts are unable to offer the efficiency and consistent output of a dedicated voltage ballast like Lumatek.

Lumatek ballasts are now internally RF shielded and can be used with a standard Hydrofarm All- Systems Cord set or lamp cord. Our ballasts produce the least amount of EMI (electro-magnetic interference) of any electronic ballast.

The new Lumatek ballast is protected from voltage surges by an external breaker system. A reset button is located on the input side of ballast. All 120V models now come with attached power cords while 240V models come with detachable power cords.



You have received a "lock and seal" inline connector between the ballast and reflector. Follow all the reflector assembly instructions and install the bulb into the socket before plugging in your new connector or power supply cord. Simply plug the end

from the reflector into the receptacle in the ballast enclosure. Firmly push in on it so that it is seated all the way to the base of the receptacle. If you have any questions please contact the place of purchase. DO NOT plug anything except the designated fixture and bulb into the proper ballast enclosure.

TECHNICAL INFORMATION

240V Wiring - VERY IMPORTANT! All digital ballasts may malfunction if the 240V circuit has a NEUTRAL. The input for the ballast is 2 HOT WIRES and 1 GROUND WIRE. If you are using a light controller ONLY bring a ground wire and two hot leads from your electrical panel.

Timer Box – If you are connecting a 240V ballast to a timer box please make sure that it cuts off both legs when the timer is switched off. If you continue to supply 120V to your ballast when the timer is switched off it may damage your ballast. Do not use Intermatic WH-21 timer boxes with Lumatek 240V ballasts.

Hot Restrike - It is VERY important that the lamp is given adequate time to cool down before it is reignited. You should allow a hot lamp to cool for 20-30 minutes before you try to re-strike it. Hot re-strikes cause premature lamp failure and lumen output degradation. Additionally, the lamp should never be turned off before the lamp reaches full intensity.

HPS/MH - Lumatek ballasts operate both metal halide and high pressure sodium lamps. They will not light mercury vapor lamps which are commonly sold in hardware and some hydroponic stores. *Please note that the 750W ballast is HPS only.*

Lamp Replacement - Be sure to disconnect the power source before changing lamps. Always use the specified wattage of lamp. (A 400W halide lamp should not be used in a 600W ballast). Lumatek recommends lamp replacement every 6-12 months.

Lamp Recommendations – Lumatek ballasts were designed to provide superior performance with lamps manufactured to American specifications. There are several brands of lamps available on the U.S. market that were made according to European specifications. We do not recommend using these types of lamps since they will provide inconsistent performance with your ballast.

Mounting Location- Do not install ballasts in areas of high heat such as an attic or a closed closet. Do not mount the ballast to the reflector or blow exhaust air over them. Do not stack ballast on top of each other. Do not allow contact with water. Mount units at least six inches apart. If a unit has any leaking resin please relocate to a cooler area or place a fan near the ballasts.

PLEASE SEE REVERSE FOR IMPORTANT WARRANTY INFORMATION