

LUMATEK

PROFESSIONAL LIGHTING

Congratulations on your purchase of a new Dial-A-Watt Lumatek electronic ballast!

The Dial-A-Watt technology inside your ballast gives you the following four advantages:

1. Multi-Wattage – Now you can power different wattage lamps on the same ballast. Depending on which model Dial-A-Watt Lumatek ballast you have, you can use up to three different wattages of lamps.

The list below details which wattage lamps can be used on each model:

FOR SUPERIOR RESULTS USE LUMATEK LAMPS WITH LUMATEK BALLASTS

LK250	150W/175W/250W MH/HPS
LK400	250W/400W MH/HPS
LK600	400W/600W MH/HPS
LK6240T	400W/600W MH/HPS
LK6240	400W/600W MH/HPS
LK7240	600W/750W (the 750W setting can only power a HPS lamp)
LK1000	600W/750W/1000W MH/HPS
LK1TH240	600W/750W/1000W MH/HPS

2. Dimmable – Dial-A-Watt Lumatek ballasts are capable of being dimmed. Dimming can be a great way to deal with heat issues in your garden. When dimming a lamp, it is important to remember that you can only go down in wattage. For example, a 1,000W lamp can be dimmed to 750W, but you cannot increase the power of a 750W lamp to 1,000W. Do not run your lamps higher than their rated wattage. Doing so could severely damage your lamp.

3. Super Lumens – Up to 10% more light at the turn of a dial. The Super Lumens feature can only be used with the highest rated wattage lamp for your ballast. For example, if you have a 1,000W Dial-A-Watt Lumatek, the Super Lumens setting can only be used with a 1,000W lamp. Using the Super Lumens setting with a lower wattage lamp could damage your lamp. On the 400W Dial-A-Watt Lumatek there are two Super Lumens settings; one for a 250W lamp and one for a 400W lamp.

4. Go Green – With each setting on your Dial-A-Watt Lumatek ballast, *both the input and output power change*. This is a great feature if you want to save energy when your plants are young and you need less light. A 1,000W Dial-A-Watt Lumatek ballast at the 750W setting uses 25% less electricity than it would at 1,000W.

For questions or support please call 1.866.369.8943

LUMATEK™

ELECTRONIC BALLAST

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. If your breaker trips on your ballast you must disconnect the ballast from the power source before you reset the breaker on the 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 USE THE PROPER WATTAGE LAMP

The new Lumatek dual-voltage ballasts are capable of running on either 120V or 240V. Lumatek's dual-voltage ballasts were specifically designed to be run on generators or in areas where line-voltage fluctuations are common.

Lumatek ballasts are now internally RF shielded and can be used with most manufacturers' cord-sets via the common outlet. Our ballasts produce the least amount of EMI (electro-magnetic interference) of any electronic ballast.

New Lumatek ballasts are protected from voltage surges by an external breaker system. If a ballast fails to start reset the breakers by pressing in the white buttons located above the input power receptacle. If the ballast still does not work please see troubleshooting guide on reverse side.



All Lumatek™ ballasts come wired with our standard female lamp cord receptacle that accepts our proprietary, patented male lamp cord, making these units compatible with all Sun System® reflectors. Purchase lamp cord with socket assembly separately.

TECHNICAL INFORMATION

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