Sunleaves Luma 2.0 Ballasts

Thank you for choosing to grow with Sunleaves Garden Products! Your satisfaction and success are important to us. For best results, read the following instructions before installing any Sunleaves ballast. Following these simple guidelines will prolong the life of your ballast and keep you growing for years to come.

For the Following 120/240V Sunleaves Luma 2.0 Ballasts:
• 400w, 600w, and 1000w High Pressure Sodium • 400w and 1000w Metal Halide • 400w and 1000w Two-Way*

1. Insert lamp holder (Sun Brite Lamp Holder sold separately) into reflector. Use included mounting hardware to secure lamp holder in reflector via two pilot holes.
2. Adjust lamp holder cylinder so that lamp will be approximately centered in the reflector. Tighten adjustment screws securely.
3. Hang reflector level. We recommend a pair of Sunleaves Flexi-Hangers or a sturdy chain.
4. Install lamp and ensure it is centered in reflector. If not loosen adjustment screws and reposition as necessary, then re-tighten adjustment screws securely. Wipe lamp clean with a soft dry cloth.
5. Plug the male end of the lamp holder cord firmly into the female receptacle on the proper ballast for your chosen lamp type and wattage. Plug the ballast into a grounded 120v (or 240v, if using 240v ballast option) power source or timer, and you’re ready to grow.

Converting Ballasts from 120V to 240V
Ballasts come with a 120-volt power cord. To switch from 120 to 240 volts, you will need a 240-volt power cord, available separately.

1. Unplug ballast from power supply. Remove 120V power cord from 120V receptacle on ballast.
2. Loosen screw on power selector plate. Rotate power selector plate 180 degrees. Tighten screw on selector plate.
3. Insert 240V power cord into 240V receptacle on ballast. Plug into appropriate 240V power source or timer.

Note: All Sunleaves Luma 2.0 Ballasts automatically come on once connected to power source.

*For any Sunleaves Luma 2.0 Two-Way Ballast, ALWAYS unplug ballast and let cool for at least 15 minutes before switching between metal halide and high pressure sodium capabilities.

Safety Tips & Performance Guidelines

WARNING: To prevent serious personal injury and damage to equipment or other property, please follow these basic safety precautions when operating any Sunleaves Luma 2.0 Ballast.

- Read and follow ALL safety warnings, instructions and notices prior to using your ballast.
- Although Sunleaves ballasts are highly durable and designed to stand up to prolonged use, always handle your ballast with care.
- Prevent the risk of severe or fatal electrical shock—never allow equipment to come in contact with water. For your safety and convenience, Sunleaves ballasts are fully grounded and wall mountable.
- Do not hardwire or alter ballast construction in any way.
- Always unplug ballast and allow system to cool completely before repositioning light system.
- Never power your ballast with voltage other than ballasts’ specified voltage.
- Do not touch the socket when unit is on.
- Do not work on ballast when plugged in.
- Do not remove safety labels.
- Do not operate if power cord or plug is damaged.
- Electrical power supplied MUST match power requirements listed.
- Do not operate without proper electrical ground.
- Never attempt to remove or replace a lamp when ballast is on.
- To avoid shattering or cracking lamp, do not allow lamp to ever come in contact with water.
- If lamp breaks while in use, turn off system and allow bulb to cool completely before removing.
- For optimal performance, replace HPS lamps every 12 months and MH lamps every 18 months.
- If using a timing device, only use one that is fully grounded.
- Intended for indoor use only; equipment should never be exposed to the elements.
- Under no circumstances should this equipment be used for anything other than its intended purpose.

Note: Sunleaves Garden Products, its distributors, and retailers assume no liability for failure to comply with these safety warnings and guidelines.

Sunleaves Luma 2.0 Troubleshooting

My ballast doesn’t hum or vibrate when I plug it in.
First check that your surge protector, timer, or controller unit is working properly. If applicable. Then test your outlet by plugging in a different, functioning appliance. If the outlet doesn’t seem to be working, check your breaker box for a tripped or blown fuse. If the fuses and outlets are working properly and the ballast does not come on, follow the warranty claim steps.

My ballast is humming loudly, is this normal?
Every Luma 2.0 ballast generates some noise when powered on and the higher the wattage, the more noise it will make. If you can’t hold a normal conversation over your ballast when in operation or if you hear rattling or some other indication that something may be wrong, follow warranty claim steps.

I turned off my ballast for a minute and now it won’t come back on.
All Luma 2.0 ballasts require a ‘time out’ period when turned off. Wait at least 15 minutes from the time the ballast was turned off/unplugged before turning back on/plugging back in or nothing will happen for several minutes.

My bulb doesn’t come on.
First make sure the lamp wattage and type (metal halide or high pressure sodium) match the wattage and type of your ballast. Also make sure the lamp is securely screwed into the socket. If lamp still isn’t firing, replace it with another that you are certain is functioning properly. If the new bulb doesn’t come on, follow the warranty claim steps.

I can see a piece of loose glass inside of my lamp. Is this normal?
This is a normal occurrence and should not alter lamp performance. To be sure, check the exterior glass of your lamp for cracks and replace if you find any obvious damage.

The circuit breaker gets triggered every time I plug in my ballast.
Take care that you are not connecting too many appliances to the same circuit. If the breaker trips when running only the ballast, consult a qualified electrician that can safely check for potential problems.
Sunleaves 5-Year Limited Warranty
All Sunleaves Luma 2.0 Ballasts are protected against manufacturer defect by a limited 5-year manufacturer’s warranty.

Limited 5-Year Warranty Terms

Sunleaves Garden Products warrants this product to the original purchaser to be free of defective materials and workmanship under normal use and service for five years from the date of purchase.

Sunleaves Garden Products, at its option, will repair or replace components of this ballast, which consist of the capacitor, transformer, and if applicable the switch or ignitor, if they are found to be defective in material or workmanship within the warranty period. You must keep your receipt as proof of the date of purchase, and provide a copy of that receipt when requesting repair or replacement under this warranty. This warranty covers repairs or replacement by authorized Sunleaves distributors.

Sunleaves Garden Products shall not be liable for incidental or consequential damages including without limitation any loss, damage, or expense directly or indirectly related to or arising out of the use of this ballast, including damage or injury caused to other products, machinery, building, or property, lost profits, loss of time, loss of product, and inconvenience.

The consumer shall not be entitled to repair or replacement under this warranty if Sunleaves Garden Products determines the ballast or any of its components have been (a) tampered with, disassembled, repaired or altered; (b) damaged resulting from commercial use, abusive, unreasonable use or supplemental damage. The warranty shall not apply to repairs or service for lack of reasonable and proper maintenance.

Sunleaves Garden Products is not liable for incidental or consequential damages of any nature. Any implied warranty, including merchantability or fitness for a particular purpose, on this product is limited in duration to the duration of this warranty.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, or a limitation on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

To obtain warranty service, return the ballast to the place of purchase in accordance with store policy, or to Sunleaves Garden Products within the guidelines of the Return Authorization Process.

Ballast Warranty is Void if:

- NOT ACCOMPANIED BY ORIGINAL PROOF OF PURCHASE.
- BALLAST ENCLOSURE EXHIBITS SIGNS OF TAMPERING OR MODIFICATION.
- BALLAST HAS BEEN WIRED IN A MANNER DIFFERENT FROM MANUFACTURER RECOMMENDATION.
- BALLAST HAS BEEN USED IN A NON-STANDARD WAY INCLUDING GENERAL MISUSE AND OUTDOOR USE.
- BALLAST HAS BEEN DAMAGED AS A RESULT OF ACCIDENT, IMPROPER INSTALLATION, ALTERATION, FIRE, FLOOD, OR OTHER NATURAL DISASTER.

Sunleaves Garden Products
7854 North State Road 37
Bloomington, IN 47404
Phone: 888-464-9676
Email: info@sunleaves.com

Sunleaves Product Warranty Claims
In the event that your ballast fails to operate, we recommend first returning it to the place of purchase. Often times the supplier will be able to examine the ballast in closer detail, determine the problem, and even fix it on site. However, if the dealer is unable to resolve the problem, or if you prefer to deal directly with Sunleaves Garden Products, simply follow these instructions:

1. Call a Return Authorization Specialist toll-free at 888-464-9676 to obtain a Return Authorization number for warranty service as well as the shipping address to send your ballast in for repairs.

2. Carefully package problem ballast(s). BE SURE TO WRITE YOUR RETURN AUTHORIZATION NUMBER ON THE OUTSIDE OF THE PACKAGE.

3. Complete the form below and enclose it with your shipment along with a legible copy of your properly dated sales receipt. Because Sunleaves is not responsible for ballasts damaged in shipping, we recommend insuring your package. Note: Warranty claims which are not clearly marked with your Return Authorization Number will be returned unopened to sender. Please allow eight to ten weeks for the return of your ballast.

Don't forget to include the following items if you are returning your ballast directly to Sunleaves:

- Legible copy of your properly dated sales receipt
- Return Authorization number on outside of package
- This completed form

Return Authorization number (required): __________________________________________________________

Name: ______________________________________________________________________________________

Address: _____________________________________________________________________________________

Phone #: _____________________________________________________________________________________

Email Address: ________________________________________________________________________________

Explain the problem: __________________________________________________________________________

Note: This form is available at www.sunleaves.com on the product information page for each covered product.

03/2007