

FLEXSTAR[®]



1000W INNOVATIVE DE SYSTEM GROW LIGHT USER MANUAL



1. INSTRUCTION

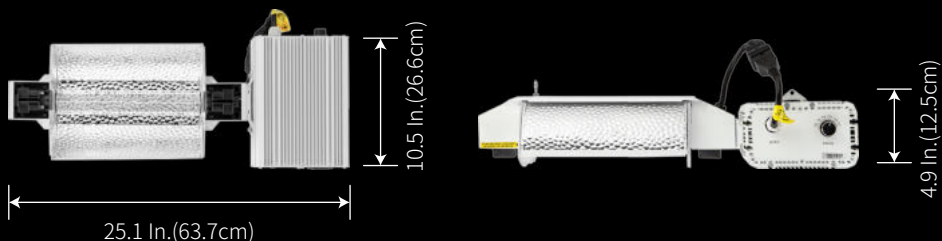
Thank you for purchasing the FLEXSTAR 1000W DE light fixture. This manual will both describe and help you install your new light as well as describe the various use scenarios. Mounting and setting up this device can be difficult, so please ensure that a trained professional can either set it up or help observe the installation process. Only use this product as specified in the manual.

2. PRODUCTION DESCRIPTION

FLEXSTAR is committed to delivering the best indoor lighting solutions, period. The FLEXSTAR 1000W DE light fixture produces ideal lighting conditions across all stages of plant growth. Better lighting means increased vitality, health, and yields. FLEXSTAR is the first company to produce reflectors that can be adjusted to control the area of light spread with adjustable wings. The FLEXSTAR 1000W DE's unique design boosts the power and efficiency of your lighting while increasing your grow area and yield. In this manual we will refer to the FLEXSTAR 1000W DE light fixture as "the 1000W DE."

3. PRODUCT INFORMATION AND SPECIFICATIONS

3.1 TECHNICAL SPECIFICATIONS



Input Voltage	120V 220V 240V
Input Current	9.30A 4.95A 4.60A
Rated Mains Voltage	120-240V
Voltage Range (+/-10%)	108-264V
Mains Frequency	50/60Hz
Min Power Factor	0.99
THD	<10%
Product Dimension	63.7*26.6*12.5CM 25.1"×10.5"×4.9"
G.W/N.W	6.4/8.5KG 14.1/18.7LBS
Lamp Type	Double Ended HPS/ MH Lamps
Lamp Voltage	230V
Operation Frequency	100-120kHz
Ambient Temperature	-20~40°C/ -4~104°F
Max. Allowable Case Temperature	75°C/167°F

DIMMING OPTIONS

Gear	600	750	825	1000	1150
Power	600W	750W	825W	1000W	1150W

3.2 ENVIRONMENT

This product is intended to be used in climate-controlled, enclosed spaces such as greenhouses, indoor farms, or grow tents and can also be used in damp environments. PLEASE DO NOT use this product outdoors or in wet environments. DO NOT EXPOSE THIS PRODUCT TO WATER. The 1000W DE works at optimal capacity when the ambient air temperature is between 60 °F – 80 °F / 15 °C – 26 °C.

4. SAFETY RECOMMENDATIONS AND WARNINGS

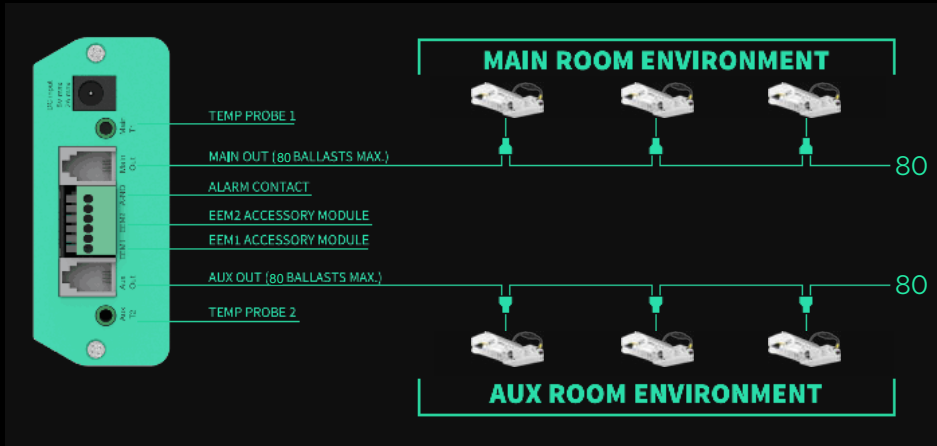
Warning!

Please read the following instructions carefully before using or working with the 1000W DE:

- Always adhere to local rules and regulations when installing or using the 1000W DE. Do not open or disassemble the 1000W DE; it contains no serviceable parts inside. Opening or modifying the 1000W DE can be dangerous and will void the warranty.
- This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45 – 30MHz.
- Do not use the 1000W DE when either the 1000W DE or its power cord are damaged. Replace the power cord only with original certified cords.
- Modifications to the cord can lead to unwanted electromagnetic interference and effects, and will void the warranty and nullify any compliance with legal regulations
- Do not expose the 1000W DE to the following conditions: condensation, high humidity, heavy mist, fog, or direct water spray; ambient outside temperatures beyond the specified range; dust and/or contamination.
- Always give the fixture and bulb a cool-down period of about 30 minutes before touching either the bulb or the reflector.
- Always disconnect the 1000W DE from the mains outlet before performing any maintenance.
- Do not use the 1000W DE near flammable, explosive, corrosive, or reactive substances. The 1000W DE can reach temperatures of above 104 °F / 40 °C.
- Do not use sulfur vaporizers or water misters on or within the environment with the 1000W DE.
- This installation and the use of the 1000W DE are the responsibility of the end user. Incorrect use or installation can lead to malfunction and failure of the device. Any damage to the 1000W DE and electronic security as a result of incorrect installation and use revokes the warranty.

5. CONNECTING UP TO 160 LED FIXTURES

A group of up to 80 Vivosun 1000W fixtures can be connected to both the main RJ11 port and the auxiliary RJ11 port of the controller.



- Switch the rotary knob on all FLEXSTAR 1000W fixtures to “EXT” (external control).
- Plug the RJ11 end of one of the provided controller cables into the RJ11 main port of the controller.
- If a two room setup is used or if more than 80 1000W fixtures have to be connected, plug a second controller cable in the RJ11 aux port.
- Plug the RJ11 end of the controller cable[s] into the input of a RJ11 splitter. Use an interconnect cable to connect one output of the RJ11 splitter to the RJ11 port of the LED fixture.
- Use an interconnect cable to connect one output of the RJ11 splitter to the input of the following RJ11 splitter.
- Repeat this process to connect up to 80 1000W fixtures per group.

6. BULB HANDLING INSTRUCTIONS

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE USE OR WORKING WITH THE FIXTURE.

It is not recommended to run the bulb for less than 3 minutes as this can cause issues with the bulb. Please wear gloves to prevent leaving skin oil on the glass. Skin oil can cause premature bulb failure.

- Remove the magnetic bulb socket cover.
- Hold the bulb from its base.
- Align the terminals with the corresponding shapes in the socket.
- Twist clockwise until it is fully seated.
- Replace the magnetic bulb socket cover.
- It is common for the bulb to have some wiggle between the outer jacket and the base.

7. INSTALLATION

7.1 LAMP INSTALLATION

7.1.1. Open both lamp holders by sliding them outwards and away from the center of the fixture, as shown in photo A.

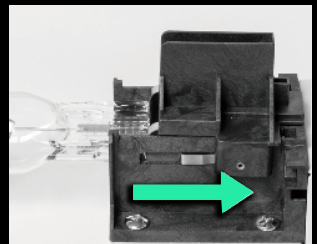


PHOTO A

7.1.2. Begin by installing the double- ended lamp within the lamp holders shown in photo B and photo C. Please note: When installing lamp, do not apply excessive force. The wire end/lead must be fully seated as shown in photo D and photo E before sliding both socket ends closed. During installation try to minimize excessive handling of the lamp to minimize fingerprints and oils left on the lamp. If the lamp needs cleaning, use a soft dry cotton cloth to wipe off fingerprints or oils.

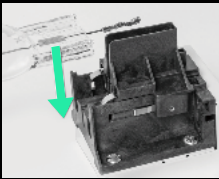


PHOTO B

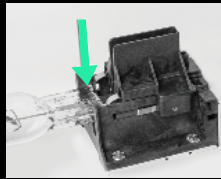


PHOTO C

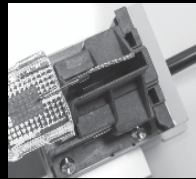


PHOTO D

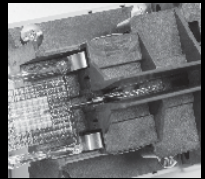


PHOTO E

7.1.3. Once lamp is positioned correctly, slide the lamp holder inward toward the center of the bulb to secure and lock the lamp in place as shown in photo F and photo G. Please note: Do not force the lamp holders closed. This could cause damage to both the lamp and lamp holders.

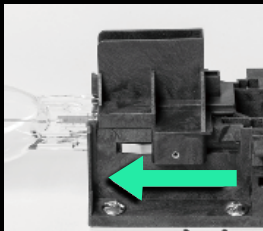


PHOTO F



PHOTO G

7.2 HANGING YOUR FIXTURE

7.2.1. Make sure your unit is unplugged.

7.2.2. Hang the fixture from a strong cord or chain from both ends. Make sure you have hooks solidly screwed into the studs in the ceiling. If you cannot locate the studs, insert expansion anchors into the ceiling. The hooks should be rated to hold at least 50 lbs each.

8. WARNING

- Failure to follow our guidelines could result in electrical shock.
- Do not touch, move, spray, or clean your light fixture when it is plugged in.
- Allow it to cool down before handling.
- Recommended mounting clearance for your fixture is 8"-12" on all sides.
- Do not mount directly to any surface.
- Make sure to disconnect the power when changing the lamp.

9. WARRANTY TERMS

1. We offer three years' warranty for all of our products purchased against manufacturing defects, from the date of purchase. If you need warranty assistance, please contact us as soon as possible
2. The warranty does not cover damage due to high moisture levels, water, power surges, improper hanging/mounting, improper use, dust build-up or user modifications
3. In the USA, if any lights stop working within 30 days, you can choose:
 - (A) Exchange. We will email you a pre-paid return label, please ship the light back to our USA warranty center. A replacement will be sent to you for free as soon as we receive the defective light.
 - (B) Money back. We will email you a pre-paid return label, please ship the light back to our USA warranty center. You will get your money back as soon as we receive the defective light.
4. Our company reserves all the rights for final explanation of this warranty structure. If you have any questions about our warranty policy, please contact us.

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SYSTEM GROW LIGHT
USER MANUAL**

