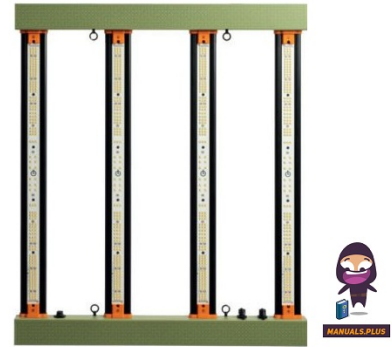


TREEGERS
TREEGERS
GL300W LED
Fixture



TREEGERS GL300W LED Fixture User Guide

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TREEGERS GL300W LED Fixture



Product Description

The Treegers GL300W LED Fixture is a compact grow light with exceptional uniformity and a high fixture efficacy of up to 2.8 $\mu\text{mol}/\text{J}$. It features Treegers Full-Spectrum Fusion blend of diodes for optimal plant health and robust harvests. The fixture is rated IP66 for protection against moisture and dust, ensuring durability and performance that exceeds expectations.

THIS COMPACT POWERHOUSE HAS OUTSTANDING UNIFORMITY AND FIXTURE EFFICACY. EXPERIENCE UNPARALLELED PLANT GROWTH WITH OUR IP66 RATED, FULL-SPECTRUM GL300W LED GROW LIGHT. PERFECT FOR AN AREA OF UP TO 1.0 X 1.0M.

USER GUIDE

- To ensure safety, please read this manual carefully before installation and follow the instructions herein.
- Store this manual in a secure place for future reference.



Getting Started

Hello there! Congratulations on your new Treegers GL300W LED GROW LIGHT FIXTURE!

Our products are packaged and shipped with the utmost care. In the unlikely event that your item is incorrect, incomplete, or unsatisfactory, please contact us and we will see to fix it immediately.

Introduction

Congratulations on your choice to cultivate with the Treegers GL300W LED Fixture.

To ensure a seamless experience, we encourage you to thoroughly review and understand this manual prior to operating this fixture. If for any reason, you are unsure about the installation process, we strongly recommend that installation is carried out by a qualified professional.

Product Description

The GL300W LED is a compact, plug-and-play grow light with outstanding uni-formity and a fixture efficacy of up to 2.8 $\mu\text{mol}/\text{J}$. Treegers Full-Spectrum Fusion blend of diodes ensures optimal plant health and robust harvests, with a rating of IP66 to protect against moisture and dust. The GL300W is a high-performing, durable grow light that will exceed your expectations.

What's in the Box

- 1 x GL300W LED Fixture a
- 1 x Power Cable b
- 2 x Stainless Cable Hangers c
- 1 x User Guide d



a



b



c



d

Optional Treegers Accessories

- Treegers Precise T-Dimmer 0-10v (manual dimming) Product code: TPTD001



- Treegers Growcast Lighting Controller (automatic controller for up to 50 fixtures) Product code: TGC0001

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- Treegers Fixture Link Cable 4m (use to connect one fixture to another when controlling or dimming multiple fixtures) Product code: TFLK001



- Treegers Fixture Link Cable 4m (use to connect one fixture to another when controlling or dimming multiple fixtures) Product code: TFLK001



Safety and Warnings

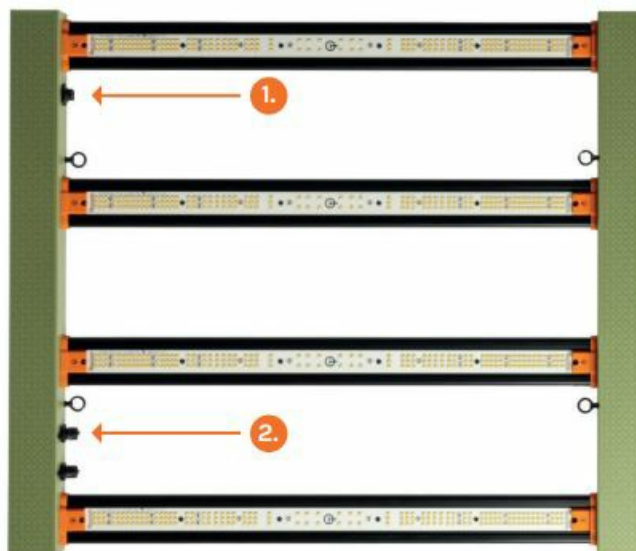
- Ensure compliance with local laws and regulations regarding the use of this product.
- Ensure the lighting fixture is secured firmly in place prior to operation.
- Always disconnect power prior to moving the light fixture.
- After disconnecting power, allow the fixture to cool down before touching any part.
- Do not touch the light fixture when on, as some components may be hot.
- Do not touch the diodes with your hands, even when the unit is turned off.
- Do not look directly at the light source.
- Do not work underneath the lighting fixture while it is in operation.
- Do not immerse the light fixture in water.
- Do not attempt to service or repair the light fixture, including power cables.
- Maintain a distance of at least 5 cm from all surrounding objects to the light fixture.
- Do not use any abrasive cleaning products to clean the light fixture.
- Do not expose light fixtures to excessive heat sources.
- Do not use the LED fixture near flammable, explosive or reactive substances.
- Do not use sulphur vaporizers or water misters.
- If damage to any part of the light fixture occurs, disconnect and cease operation of the light fixture immediately.

Assembly and Operation

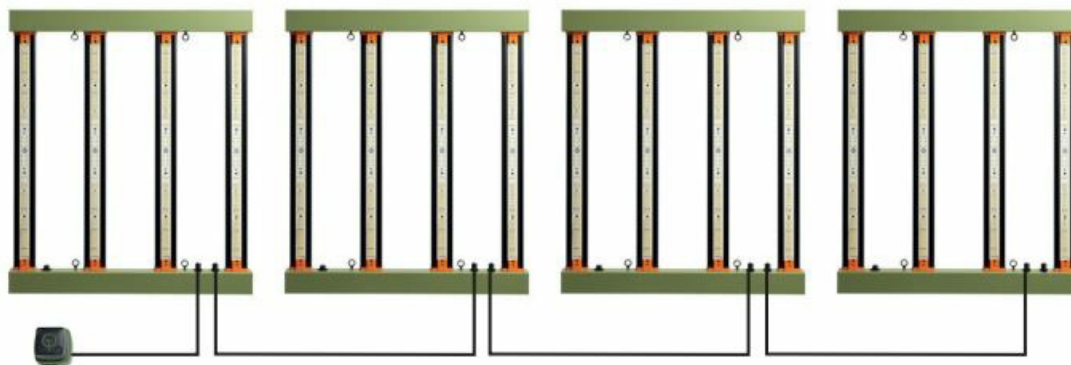
- Remove all items from their packaging and locate each item required for assembly.
- Thoroughly inspect each item for possible damage prior to assembly.
- Attach cable hangers to the eyelets located on the inside edges of your GL300W grow light. One cable hanger per side. (as pictured below)



- Connect the power cable to the GL300W by locating the power input socket, located on the inside of the GL300W frame. (1. as pictured below) When inserted, the ringlock of the cable socket should click and rotate when pushed in firmly.



- If using a Treegers Precise T-Dimmer or Treegers Growcast, connect it to the signal input socket, located on the inside of the GL300W frame. (2. as pictured above)
- If operating multiple light fixtures and you are using the Treegers Growcast, connect each light using a Treegers Fixture Link Cable. Connect the Treegers Fixture Link Cable to the Signal Output socket of the first light that has the Treegers Growcast connected to it, then connect the other end of the Fixture Link Cable to the Signal Input socket of the second light. Repeat this step to connect the second light to the third light and so on. Up to 50 fixtures can be linked to one Growcast controller.



Cautions

- Ensure your power supply is safe and fit for purpose before connecting your GL300W grow light to your power supply.
 - When hanging or mounting your GL300W light fixture, make sure it is firmly attached and secure before turning it on.
 - Ensure the mounting system can support the weight of the light fixture before turning it on.
- If all precautions have been taken, your LED can now be turned on.

For further guidance on how to get the most out of your new Treegers GL300W LED Fixture, explore our Grow Light Tactics here.



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Care and Maintenance

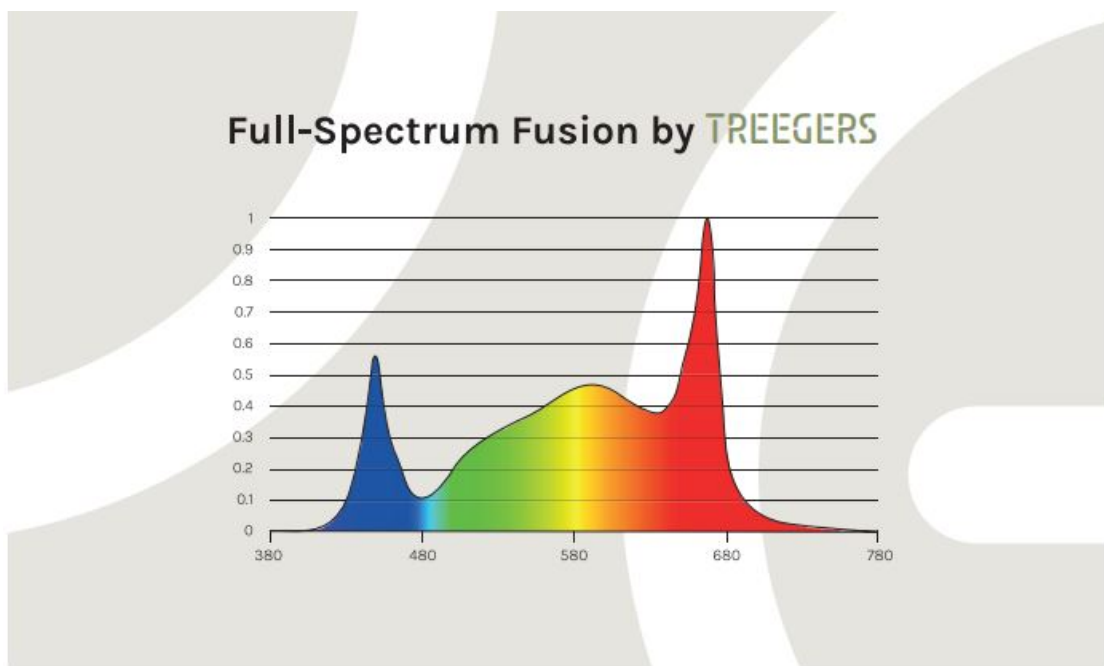
CAUTION: Always ensure the fixture has been disconnected from power and allowed to cool down before carrying out any cleaning or maintenance.

To ensure your new light continues to perform at its best, we recommend cleaning your fixture regularly with a soft damp cloth. Use extra caution when cleaning your LED bars. Scrubbing too hard may cause damage to the silicone resin coating that protects the diodes. A can of compressed air can also be useful to blow dust from within cracks and crevices of the fixture.

Fixture Specifications

- Product Code: TGL0001
- EAN/GTIN: 9309001188030
- Power Consumption: 300W \pm 5%
- Light Output PPF: 825 μ mol/s
- Fixture Efficacy: 2.8 μ mol/J
- Diodes Efficacy: Up to 4.2 μ mol/J
- Coverage Area: Minimum 0.8×0.8m up to Maximum 1.0×1.0 m
- Thermal Management: Passive Cooling

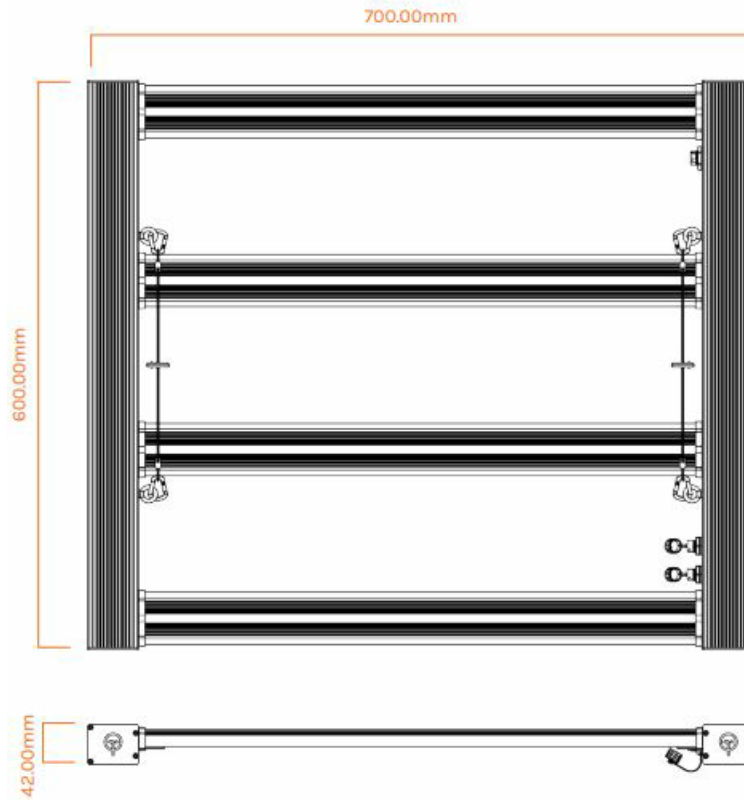
- Input Voltage: 120-277V, 50/60 Hz
- Ingress Protection: IP66
- Lifetime: +50 000Hrs
- Dimming: 0-10-20-30-40-50-60-70-80-90-100% (w/ Treegers Precise T Dimmer 0-10V)
- External Control: w/ Treegers Growcast or any Universal Controller
- Light Distribution: 120°
- Fixture Dimensions: 600x700x42 mm
- Fixture Weight: 4.2 Kg
- Carton Dimensions: 655 x 755 x 97mm
- Gross Weight: 5.32 Kg
- Certifications: CE, UKCA, RCM, RoHS
- Warranty: 3 Years
- Spectrum: Full-Spectrum Fusion
- SQD Spectrum Graph:



GL300W – MAXIMUM INPUT CURRENT

GL300W - MAXIMUM INPUT CURRENT			
INPUT VOLT	DIMMING	INPUT POWER (W)	INPUT CURRENT (A)
120AC	100%	312.9W	2.77
230AC	100%	301.3W	1.55
240AC	100%	300.8W	1.49
277AC	100%	301.2W	1.31

Fixture Dimensions



Operating Conditions

Our GL LED fixtures have a dust and water ingress rating of IP66. This means they are dust tight and protected against high pressure 12.5mm water jets, however, our fixtures have been designed for indoor use only and should not be operated outdoors or in wet environments. Our GL fixtures will tolerate ambient temperatures of up to 45°C but we recommend operation within a range of between 20°C-30°C where possible, to maintain peak performance. Relative humidity should not exceed 90%.

Compliance

This product meets UK, EU, and AS/NZS electrical safety and electromagnetic compatibility standards. It is also RoHS compliant and adheres to WEEE directive obligations for sales in European countries.

Storage

When not in use, this product should be cleaned thoroughly before storing it in its original packaging and kept in a cool, dry location. Always thoroughly inspect for any damage prior to reassembly.

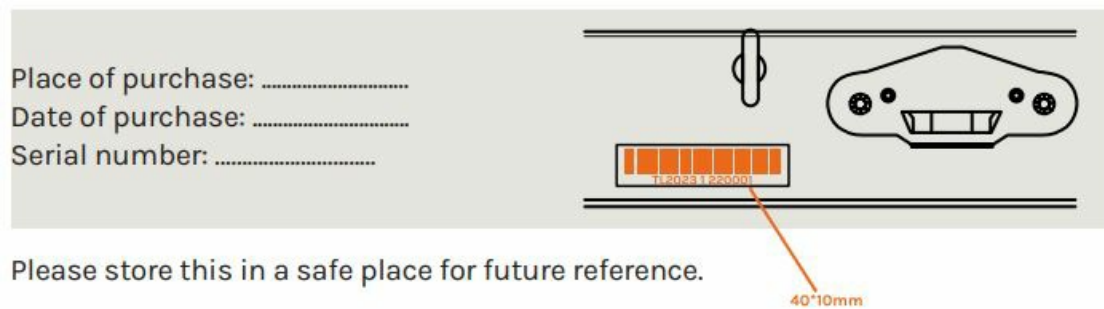
Disposal

Separate from household waste and choose authorised recycling facilities for correct disposal of this product. Alternatively, use authorised WEEE collection points or contact local waste authorities for disposal guidance.

Service and Warranty

We stand behind the quality of our products and offer a three year warranty on your GL300W from date of purchase.

Please use the area below to record the place and date of purchase along with your fixtures serial number. (located on the inside frame of the fixture)



Please store this in a safe place for future reference.

Warranty Coverage

The warranty covers defects in materials and workmanship under normal use, including malfunctions in the LED fixture, power cable or connectors.

Exclusions

The warranty does not cover damage resulting from improper installation or assembly, unauthorised modifications or repairs, accidents, misuse, negligence or any use of non-approved accessories. Our warranty does not cover damage to diodes caused by high sulphur environments. It is strongly recommended that care is taken when using airborne pesticides and fertilisers.

IMPORTANT: Exposure to high sulphur environments will void fixture warranty. Preventative measures must be taken to ensure lighting fixtures remain clean and are not exposed to any products containing sulphur, chlorine or bromide. Please contact support@treegers.com if you would like further information on how you can minimise the risk of diode vulcanisation due to high sulphur environments.

Warranty Claim Process

- If you experience any issues covered by the warranty, please follow these steps:
- Contact Customer Support: Reach out to our customer support team via email at support@treegers.com to initiate a warranty claim.
- Provide Proof of Purchase: Have your proof of purchase ready to validate the warranty period.
- Describe the Issue: Clearly describe the issue you are facing and follow any instructions provided by our support team.
- Return Process: If necessary, our support team will guide you through the return process. Do not return products without prior authorization.

Service and Repairs

For issues not covered by the warranty or if the warranty period has expired, when possible, we can offer a repair service. Contact our customer support team for information on service fees, shipping instructions, and any other details related to out-of-warranty repairs.

Customer Support

Our dedicated customer support team is available to assist you with any questions, concerns, or warranty claims. Feel free to reach out at support@treegers.com.

Thank you for choosing Treegers.

We are committed to providing you with an excellent growing experience.

FAQ


Q: Can I use the Treegers GL300W LED Fixture outdoors?

A: The fixture is designed for indoor use only and should not be exposed to outdoor elements.

Q: How often should I clean the fixture?

A: We recommend cleaning the fixture regularly to maintain optimal performance, but avoid excessive scrubbing of the LED bars.

Documents / Resources

	<p>TREEGERS GL300W LED Fixture [pdf] User Guide GL300W, GL300W LED Fixture, GL300W, LED Fixture, Fixture</p>
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References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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