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## Bozily 1053B-FBA-DE-01

# Bozily 300W Foldable LED Grow Light User Manual

Model: 1053B-FBA-DE-01

## 1. INTRODUCTION

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Thank you for choosing the Bozily 300W Foldable LED Grow Light. This product is designed to provide a full spectrum of light, simulating natural sunlight, to support the healthy growth of your indoor plants through all stages: seeding, growing, flowering, and fruiting. Its efficient design, silent operation, and foldable structure offer versatility and optimal performance for various indoor gardening needs.

## 2. SAFETY INSTRUCTIONS

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**Please read all safety instructions carefully before operating the device. Failure to do so may result in injury or damage to the product.**

- **Indoor Use Only:** This grow light is designed for indoor use in dry environments. Do not expose to water or high humidity.
- **Electrical Safety:** Ensure the power supply matches the specified voltage (230 Volts). Always unplug the light before cleaning or maintenance.
- **Eye Protection:** Do not look directly at the operating LED lights. Prolonged exposure can cause eye strain or damage.
- **Ventilation:** Ensure adequate airflow around the light to prevent overheating, although the design includes efficient heat dissipation.
- **Handling:** Do not drop or subject the light to strong impacts. Handle with care.
- **Disassembly:** Do not attempt to disassemble or modify the unit. This will void the warranty and may lead to electrical hazards.
- **Children and Pets:** Keep the grow light out of reach of children and pets.

## 3. PACKAGE CONTENTS

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Verify that all components are present in the package:

- Bozily 300W Foldable LED Grow Light Unit
- Hanging Kit (chains and hooks)
- Power Cord
- User Manual

## 4. PRODUCT OVERVIEW AND FEATURES

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The Bozily 300W Foldable LED Grow Light is engineered for optimal plant growth with advanced features:

- **Full Spectrum LED:** Simulates natural sunlight, providing wavelengths from 380 nm to 800 nm. This includes red and blue wavelengths (400 nm to 720 nm) for healthy growth, and infrared (720 nm to 800 nm) and UV (380 nm to 400 nm) to promote cell growth, germination, and pest deterrence.
- **Efficient and Wide Illumination:** Features 338 LED chips and a 90° reflector for excellent spotlight effect and efficient light distribution. The unit measures 560 x 300 x 18 mm, offering a larger illumination area compared to conventional grow lights.
- **Silent Operation:** Equipped with an aluminum back wall and individual heat sinks for each LED chip, ensuring excellent heat dissipation without the need for noisy fans.
- **Foldable Design:** The ultra-thin and foldable aspect allows for versatile placement and storage, adapting to various growing setups.

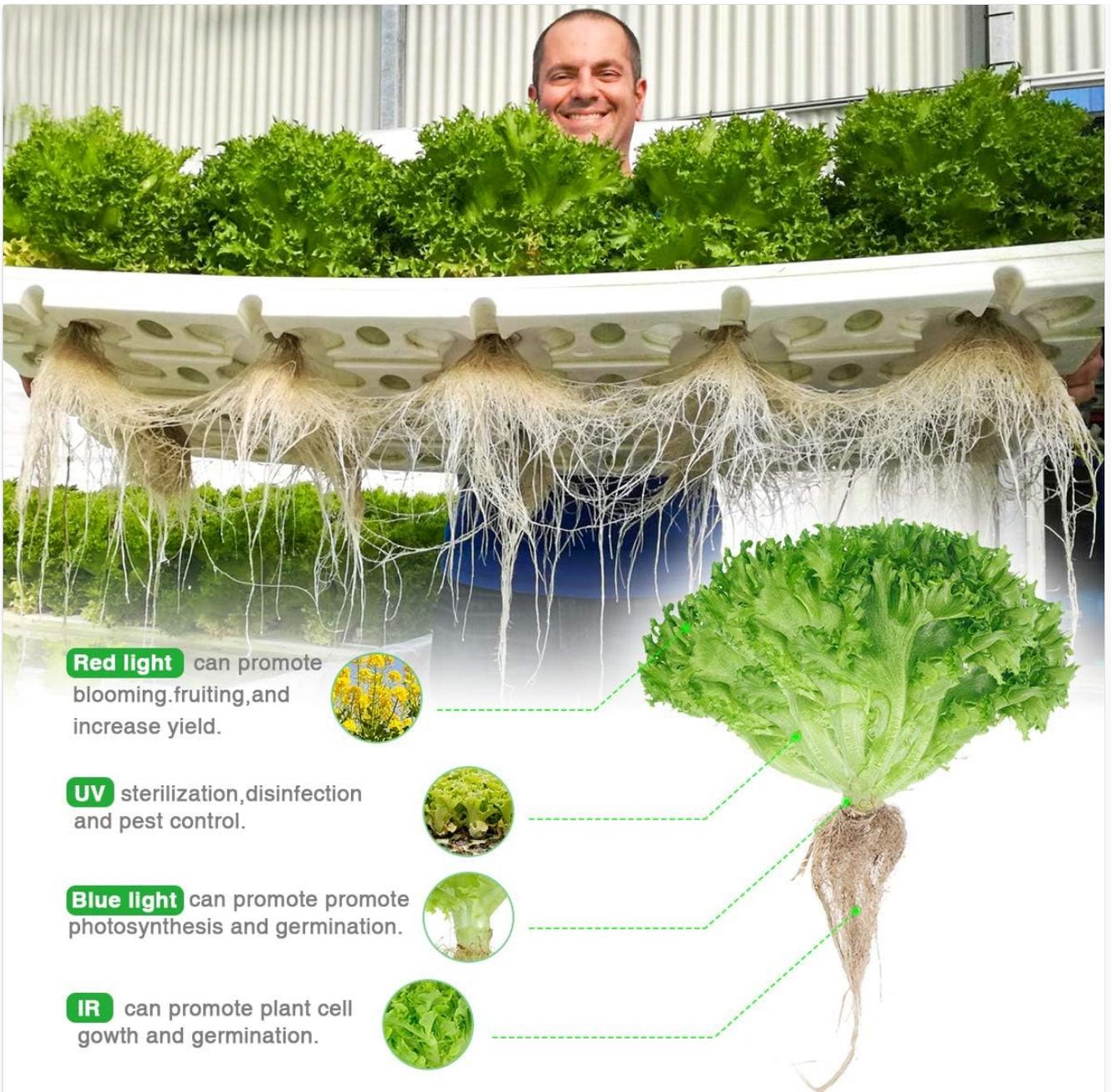
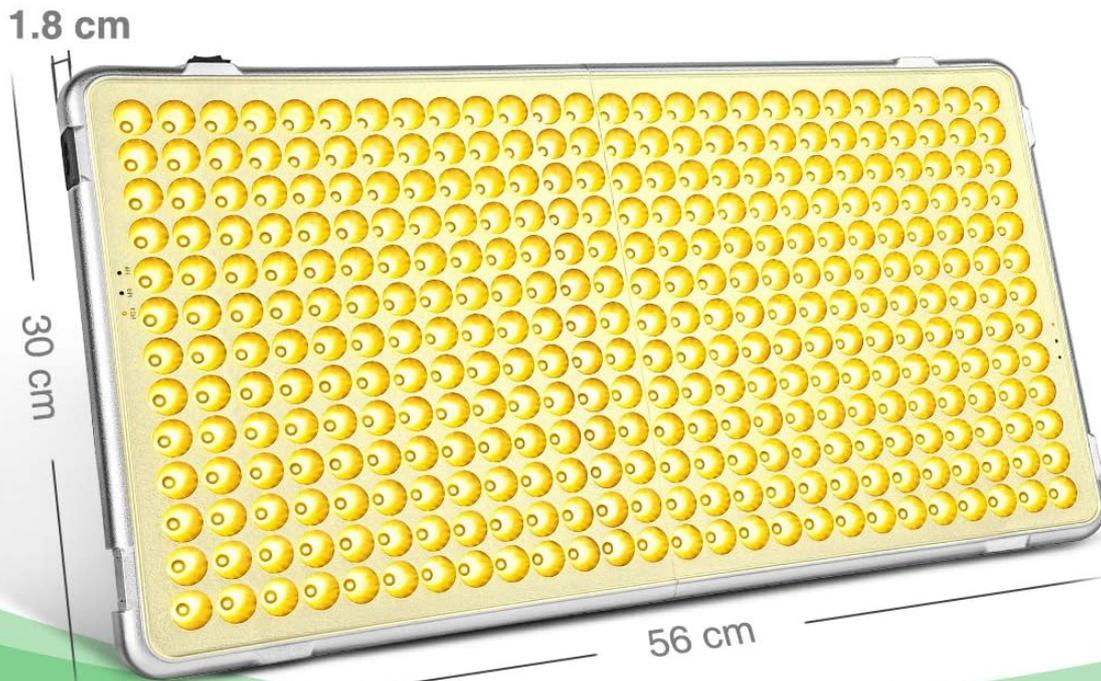


Image: Illustration of how Red, UV, Blue, and IR light promote different aspects of plant development.

## LARGE SIZE -- WIDER ILLUMINATION AREA



The indoor grow light size and illumination area are two to three times that of other similar lamps. A 90-degree reflector cup can maximize the illumination area.

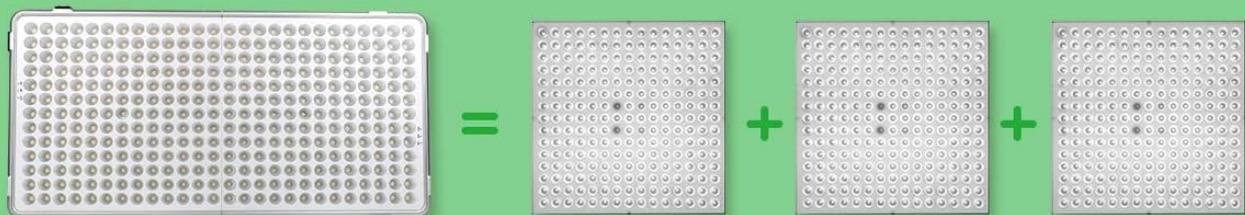


Image: The Bozily grow light with dimensions (56 cm x 30 cm x 1.8 cm) and a visual representation of its 90-degree reflector cups for wider illumination.

## 5. SETUP

Follow these steps to set up your Bozily LED Grow Light:

1. **Unpack:** Carefully remove all components from the packaging. Inspect the light for any signs of damage.
2. **Assemble Hanging Kit:** Attach the metal chains to the designated hanging points on the grow light. Connect the hook to the chains.
3. **Mount the Light:** Securely hang the grow light from a sturdy support structure using the provided hook. Ensure the light is level and stable.
4. **Positioning:** Adjust the height of the light above your plants according to their current growth stage (refer to Section 6 for guidance).
5. **Connect Power:** Plug the power cord into the grow light's input port, then plug the other end into a standard 230V electrical outlet.



Image: The Bozily LED Grow Light suspended above a tray of young plants in an indoor growing environment.

## 6. OPERATING INSTRUCTIONS

Operating your Bozily LED Grow Light is straightforward:

1. **Power On/Off:** Once plugged in, the light will turn on. There may be an integrated switch on the power cord or the unit itself to control power.
2. **Adjusting Height:** The optimal distance between the grow light and your plants varies by growth stage. Refer to the guidelines below for recommended hanging heights:

Growth Stage	Recommended Height (from plant canopy)	Recommended Lighting Duration
Seeding	28-40 inches (71-102 cm)	16-18 hours on / 6-8 hours off
Growing (Vegetative)	28-22 inches (71-56 cm)	14-16 hours on / 8-10 hours off
Flowering	22-16 inches (56-41 cm)	12 hours on / 12 hours off
Fruiting	16-10 inches (41-25 cm)	10-12 hours on / 12-14 hours off

# PERFECT FOR ALL GROWING STAGE

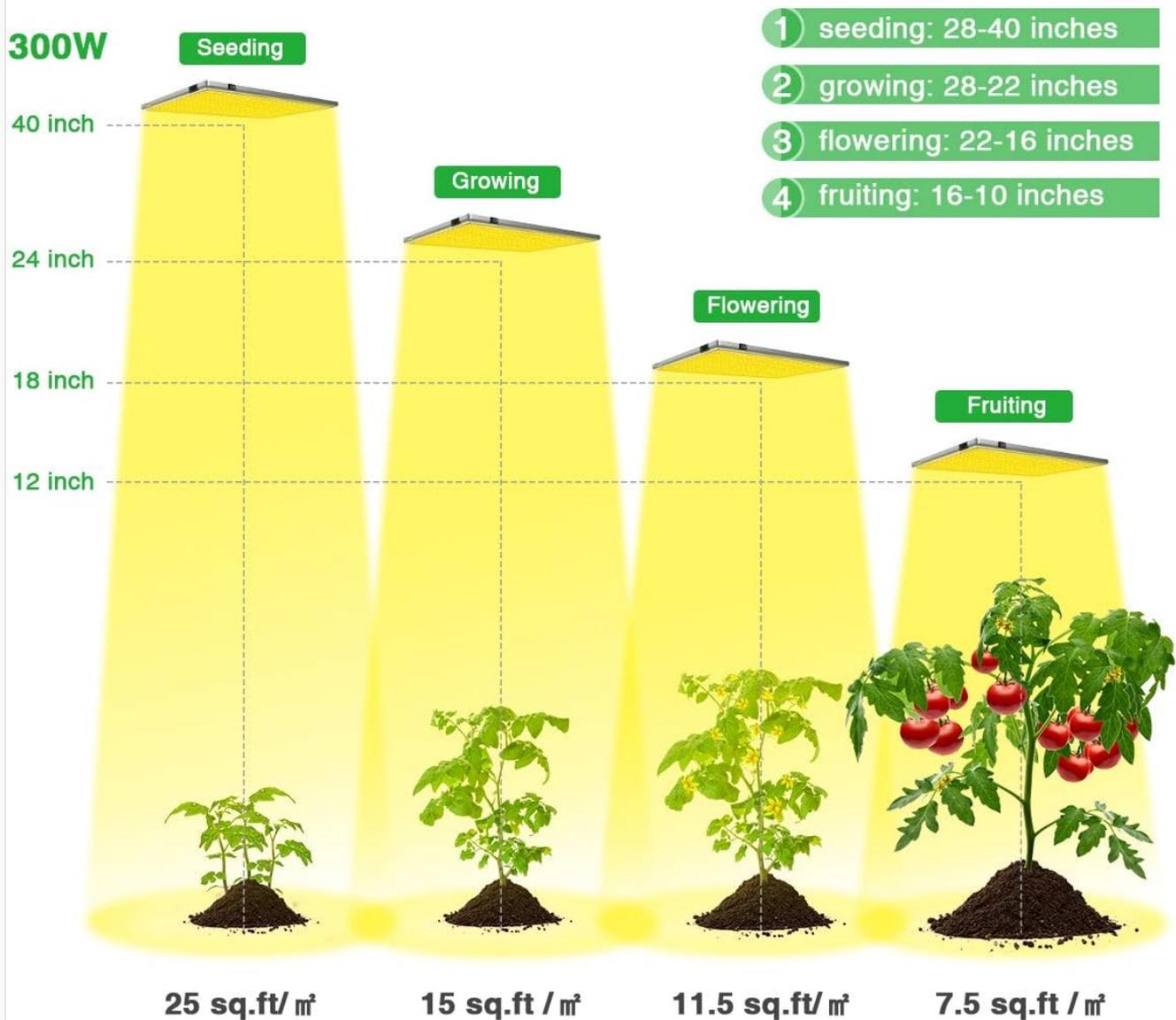


Image: Visual guide for adjusting the grow light height for seeding, growing, flowering, and fruiting stages.

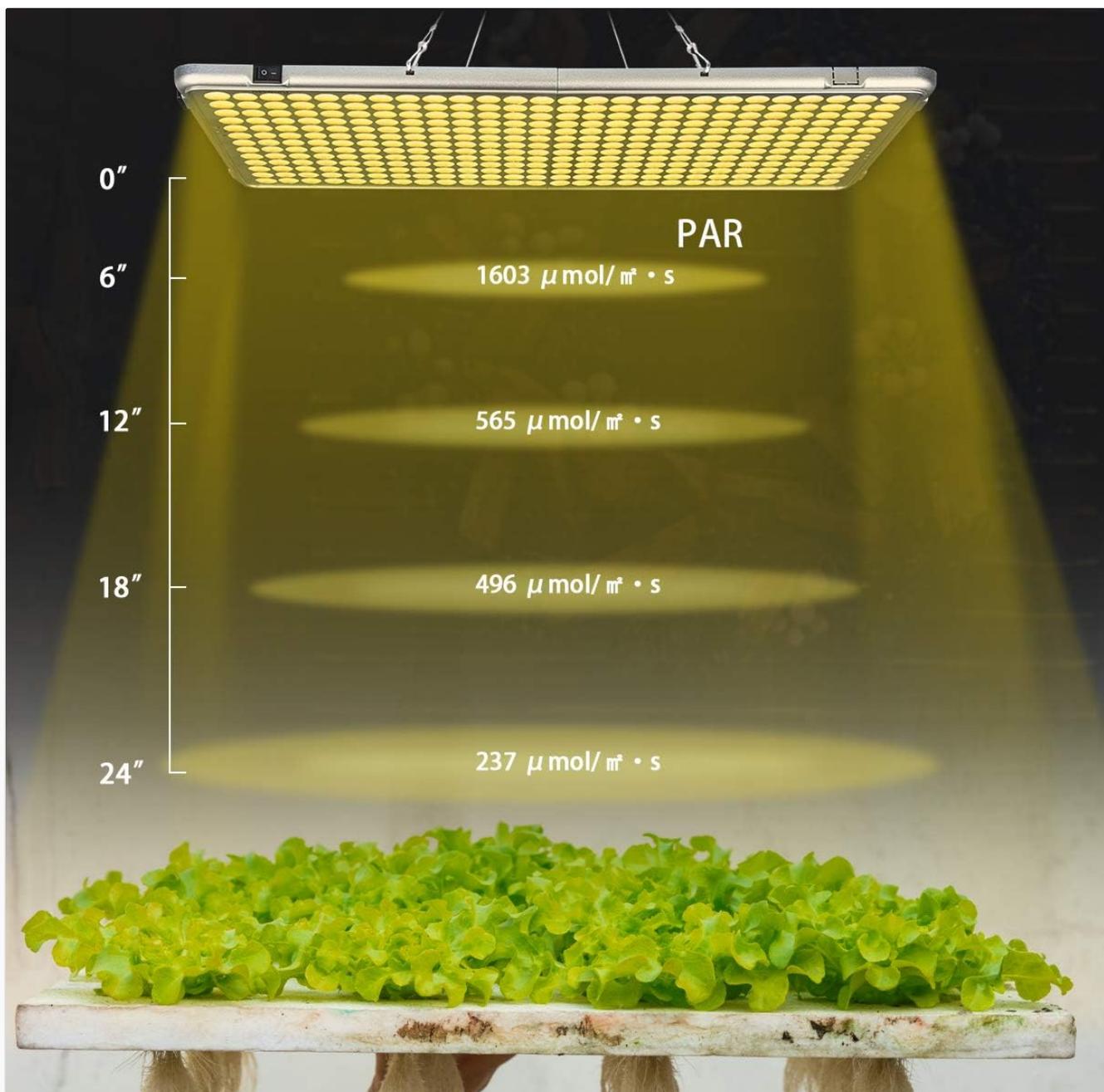


Image: PAR (Photosynthetically Active Radiation) measurements at 0, 6, 12, 18, and 24 inches from the light source, showing light intensity at different distances.

**Note:** These are general recommendations. Observe your plants for signs of stress (e.g., stretching, bleaching) and adjust the light height and duration as needed.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your grow light:

- **Cleaning:** Ensure the light is unplugged and cool before cleaning. Gently wipe the surface of the light and LEDs with a soft, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive materials.
- **Inspect Connections:** Periodically check the power cord and hanging kit for any signs of wear, damage, or loose connections.
- **Storage:** If storing the light for an extended period, ensure it is clean, dry, and stored in a safe place. The foldable design allows for compact storage.

## 8. TROUBLESHOOTING

If you encounter issues with your Bozily LED Grow Light, refer to the following common problems and solutions:

- **Light Does Not Turn On:**
  - Check if the power cord is securely plugged into both the light and the electrical outlet.
  - Verify that the electrical outlet is functional by plugging in another device.
  - Ensure any inline switch on the power cord or unit is in the 'ON' position.
- **Plants Are Not Thriving:**
  - **Stretching (etiolation):** The light may be too far from the plants. Lower the light closer to the canopy.
  - **Bleaching/Burning:** The light may be too close or too intense. Raise the light further from the canopy.
  - **Slow Growth:** Review your lighting schedule to ensure plants are receiving adequate light duration for their growth stage. Consider other environmental factors like nutrients, water, temperature, and humidity.
- **Unusual Noise:**
  - The Bozily grow light is designed for silent operation. If you hear unusual noises, immediately unplug the unit and contact customer support.

If these solutions do not resolve the issue, please contact Bozily customer support for further assistance.

## 9. SPECIFICATIONS

Feature	Specification
Brand	Bozily
Model Number	1053B-FBA-DE-01
Dimensions (L x W x H)	56 x 30 x 1.8 cm (22 x 11.8 x 0.7 inches)
Weight	1.7 Kilograms (3.75 lbs)
Power Consumption	300 Watts
Voltage	230 Volts
Number of LEDs	338
Light Type	Full Spectrum LED
Special Features	Foldable, Adjustable Arm (implied by hanging kit)
Reflector Angle	90°
Certifications	CE / RoHS / PSE

## 10. WARRANTY AND SUPPORT

Bozily is committed to providing high-quality products and customer satisfaction.

- **Warranty:** This product comes with a 1-year authentic warranty from the date of purchase.
- **Money-Back Guarantee:** A 30-day money-back guarantee is offered to ensure your satisfaction.
- **Customer Service:** Bozily provides 24/7 customer support. For any questions, concerns, or warranty claims,

please contact us through the retailer's platform or our official website.



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