

AC Infinity AC-IF8K

AC Infinity IONFRAME EVO8 LED Grow Light

User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your AC Infinity IONFRAME EVO8 LED Grow Light. Designed for commercial and indoor growing environments, this full-spectrum LED grow light features high-efficiency Samsung LM301H EVO diodes and an advanced schedule controller for precise environmental management. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.



Figure 1.1: The AC Infinity IONFRAME EVO8 LED Grow Light, showcasing its bar-style design and integrated controller.

Key Features:

- Features Samsung LM301H EVO LEDs, rated at 3.14 $\mu\text{mol/J}$ PPE for superior efficiency.
- Integrated schedule controller with sunrise/sunset dimming and 10 brightness levels.
- Optimized bar-style fixture for even light distribution and deep canopy penetration.
- Removable passive cooling LED driver for flexible heat management.

- Supports daisy-chaining of up to 80 grow lights.
- UIS platform-compatible for Wi-Fi app control and integration with other AC Infinity smart devices.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury and damage to the product:

- Always disconnect the power supply before installation, cleaning, or maintenance.
- Do not operate the light with a damaged cord or plug.
- Ensure the light is installed in a well-ventilated area to prevent overheating.
- Avoid direct, prolonged eye exposure to the LED lights when operating, as intense light can cause discomfort or damage.
- This product is designed for indoor use only and is water-resistant, but not waterproof. Avoid direct water spray.
- Keep out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- IONFRAME EVO8 LED Grow Light Fixture (including LED bars and frame)
- LED Driver with Integrated Controller
- Power Cord
- Hanging Hardware (e.g., adjustable rope hangers, carabiners)
- Instruction Manual

4. SETUP AND INSTALLATION

Follow these steps to set up your IONFRAME EVO8 LED Grow Light:

4.1 Assembly

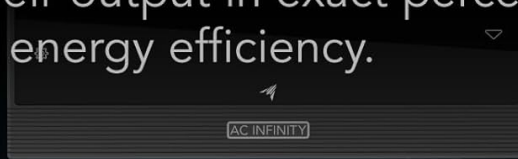
1. Carefully unpack all components.
2. Assemble the LED bars into the main frame according to the diagrams provided in the quick start guide (if applicable). Ensure all connections are secure.
3. Mount the LED driver/controller onto the fixture frame.

4.2 Hanging the Light

1. Identify a sturdy overhead structure capable of supporting the weight of the grow light (approximately 37 pounds).
2. Attach the hanging hardware to the designated points on the grow light fixture.
3. Securely hang the light from the overhead structure, ensuring it is level and stable. Adjust the height as needed for your specific growing application.

LARGEST GROW ECOSYSTEM

Connect this device to a UIS™ controller, mixing and matching up to 32 smart grow devices that can control their output in exact percentages for precision and energy efficiency.



TERRAFORM Series
Air Conditioning Units



CLOUDFORGE Series
Plant Humidifiers



THERMOFORGE Series
Plant Heaters



IONFRAME Series
Commercial Grow Lights



IONBEAM Series
Supplement Grow Lights



IONBOARD Series
LED Light Boards



CLOUDLINE Series
Inline Exhaust Fans



CLOUDLIFT Series
Floor Wall Fans



CLOUDRAY Series
Clip-on Fans



AIRBLAZE Series
Circulation Blower



AIRLIFT Series
Shutter Exhaust Fans



AIRTITAN Series
Room Exhaust Fans



with



UIS Lighting Adapters
Control Other Brands' Lights



with



UIS Control Plug
Control Outlet Devices

*Devices shown sold separately

Figure 4.1: Multiple IONFRAME EVO8 lights installed in a grow room, demonstrating typical hanging setup.

4.3 Electrical Connection

1. Ensure the grow light is properly assembled and securely hung.
2. Connect the power cord to the LED driver.
3. Plug the power cord into a grounded electrical outlet.

5. OPERATING INSTRUCTIONS

The IONFRAME EVO8 features an intuitive controller for managing your grow light settings.

5.1 Controller Overview

GREATER QUALITY SPECTRUM

LM301H EVO LEDs improve plant growth by emitting a higher blue spectrum for greater light quality with higher efficiency for more light output per diode.

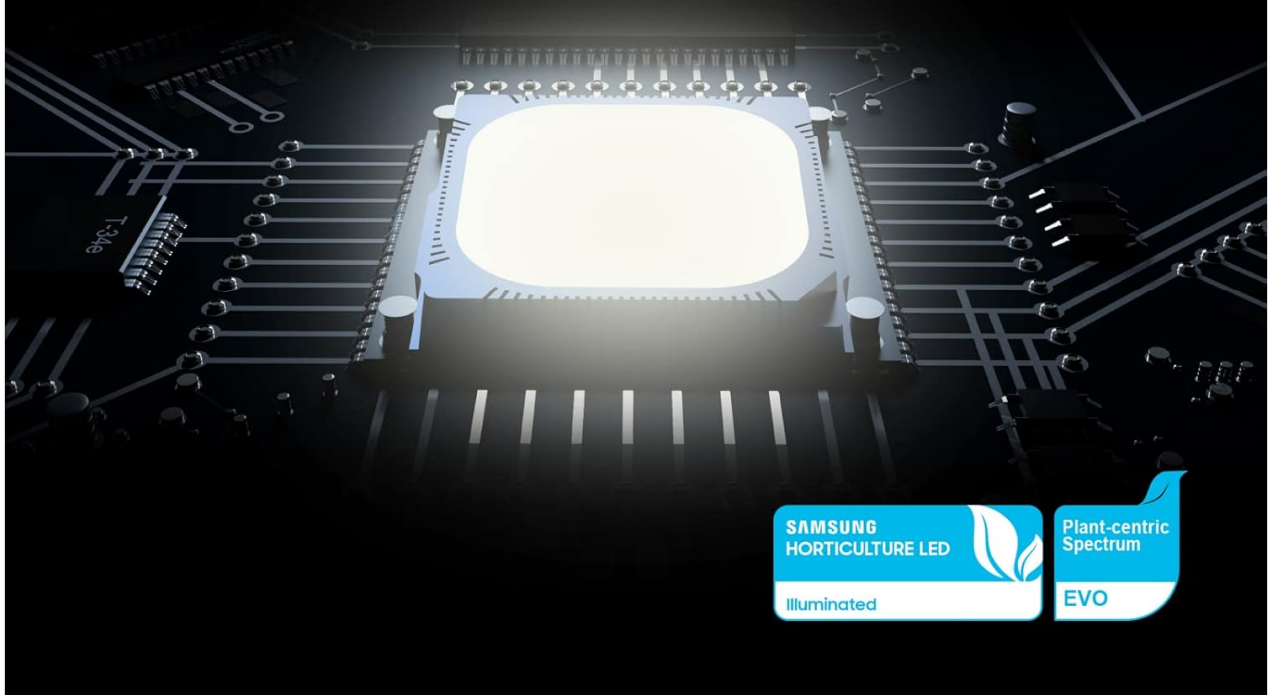


Figure 5.1: Detailed view of the IONFRAME EVO8 schedule controller, highlighting its various functions.

The controller allows for:

- **Light Schedules:** Set specific ON/OFF times for daily operation.
- **Sunrise/Sunset Dimming:** Gradually increase/decrease light intensity to simulate natural light cycles.
- **Brightness Levels:** Adjust light intensity from 0% to 100% with 10 distinct levels.
- **Power Outage Memory:** Retains settings after a power interruption.

5.2 Daily Scheduling

Program the controller to automatically turn the light ON and OFF at desired times, creating a consistent 24-hour cycle for your plants.

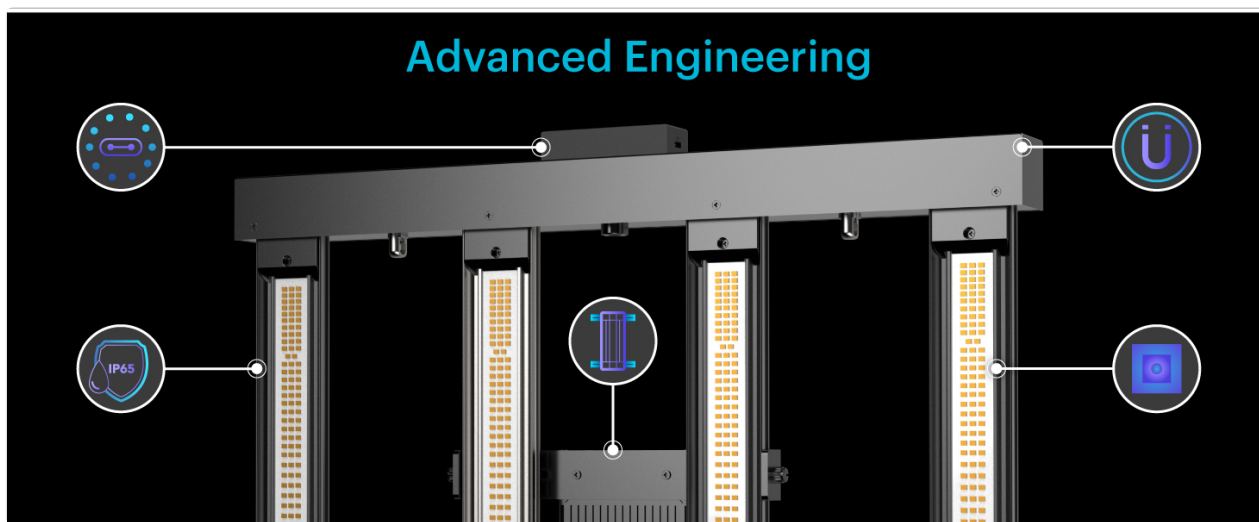


Figure 5.2: Visual representation of a 24-hour daily scheduling cycle for the grow light.

5.3 Sunrise and Sunset Simulation

Utilize the customizable sunrise and sunset feature to gradually brighten and dim the grow light, mimicking natural outdoor light conditions for reduced plant stress.

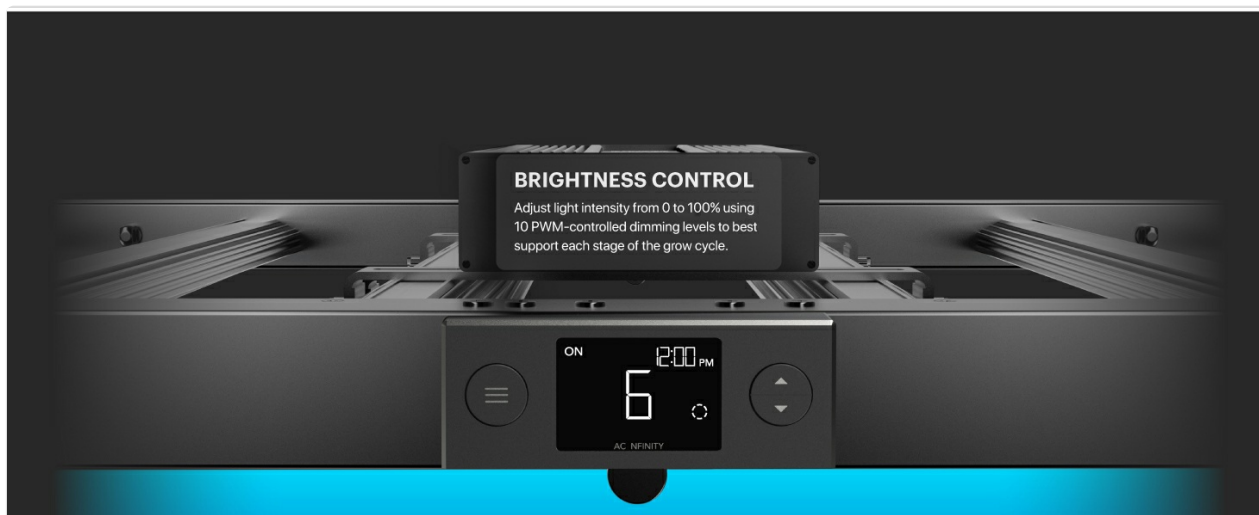


Figure 5.3: Diagram illustrating the sunrise and sunset dimming cycle over 24 hours.

5.4 Daisy-Chaining Multiple Lights

The IONFRAME EVO8 supports daisy-chaining, allowing multiple grow lights to operate under the same programming using UIS splitters (sold separately).

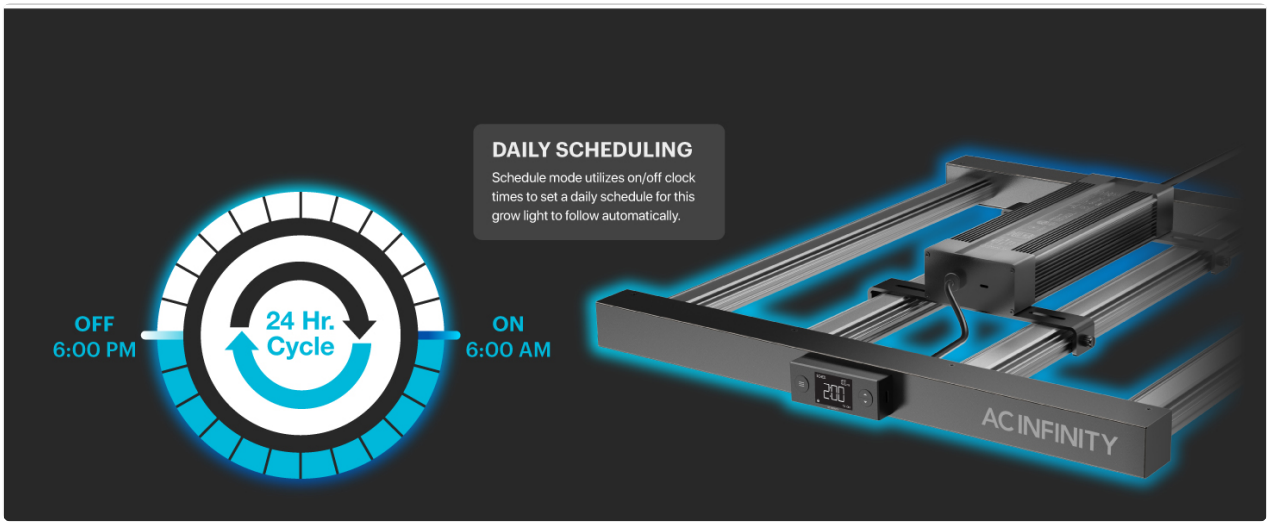


Figure 5.4: Illustration of how multiple grow lights can be daisy-chained together for synchronized operation.

5.5 UIS Platform and App Control

Connect your IONFRAME EVO8 to the AC Infinity UIS platform for advanced control via the mobile app. This allows for remote monitoring, custom automations, and integration with other AC Infinity smart grow devices.

DEEPER, UNIFORM PENETRATION

Algorithmically spaced diodes emit commercial bar lighting output to achieve the most uniform PAR map and the deepest canopy penetration.

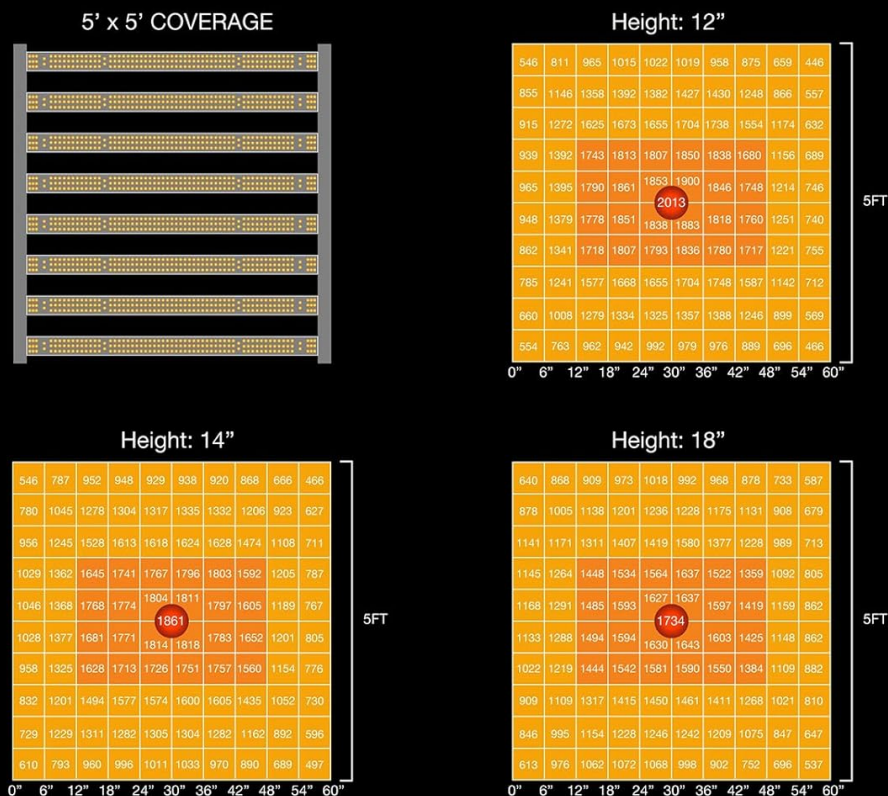


Figure 5.5: Overview of the AC Infinity UIS ecosystem, showing compatibility with various grow devices.

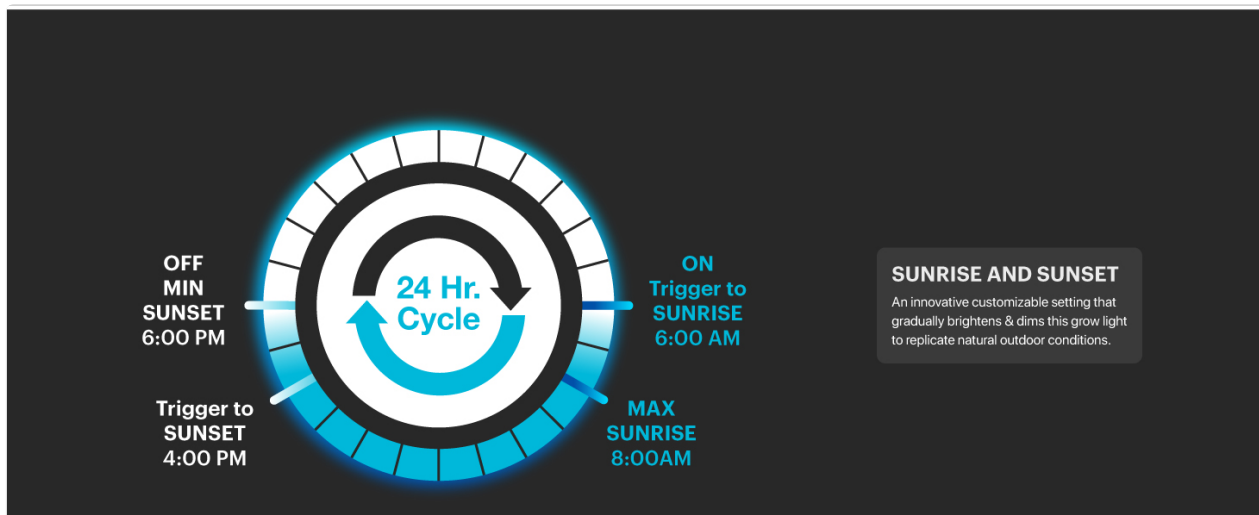


Figure 5.6: Example of the AC Infinity mobile app interface for controlling the grow light and monitoring environmental data.

6. MAINTENANCE

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

- **Cleaning:** Periodically wipe down the LED bars and driver with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly check the power cord, connections, and hanging hardware for any signs of wear, damage, or looseness. Address any issues promptly.
- **Ventilation:** Ensure that the grow area has adequate airflow to prevent heat buildup around the light fixture.

7. TROUBLESHOOTING

If you encounter issues with your IONFRAME EVO8, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|----------------------------------|--|---|
| Light does not turn on. | No power supply; loose connection; controller issue. | Check power cord connection to outlet and driver. Ensure outlet has power. Verify controller settings are not set to OFF. |
| Light intensity is too low/high. | Brightness setting incorrect; dimming schedule active. | Adjust brightness level on the controller. Check active schedules for dimming events. |
| Controller not responding. | Power cycle needed; internal error. | Unplug the light for 30 seconds, then plug it back in. If issues persist, contact AC Infinity support. |

| Problem | Possible Cause | Solution |
|--------------------------|---|---|
| App control not working. | Wi-Fi connectivity issue; app not updated. | Ensure your Wi-Fi network is stable. Restart the app and the controller. Check for app updates. |

If the problem persists after attempting these solutions, please contact AC Infinity customer support for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the AC Infinity IONFRAME EVO8 LED Grow Light:

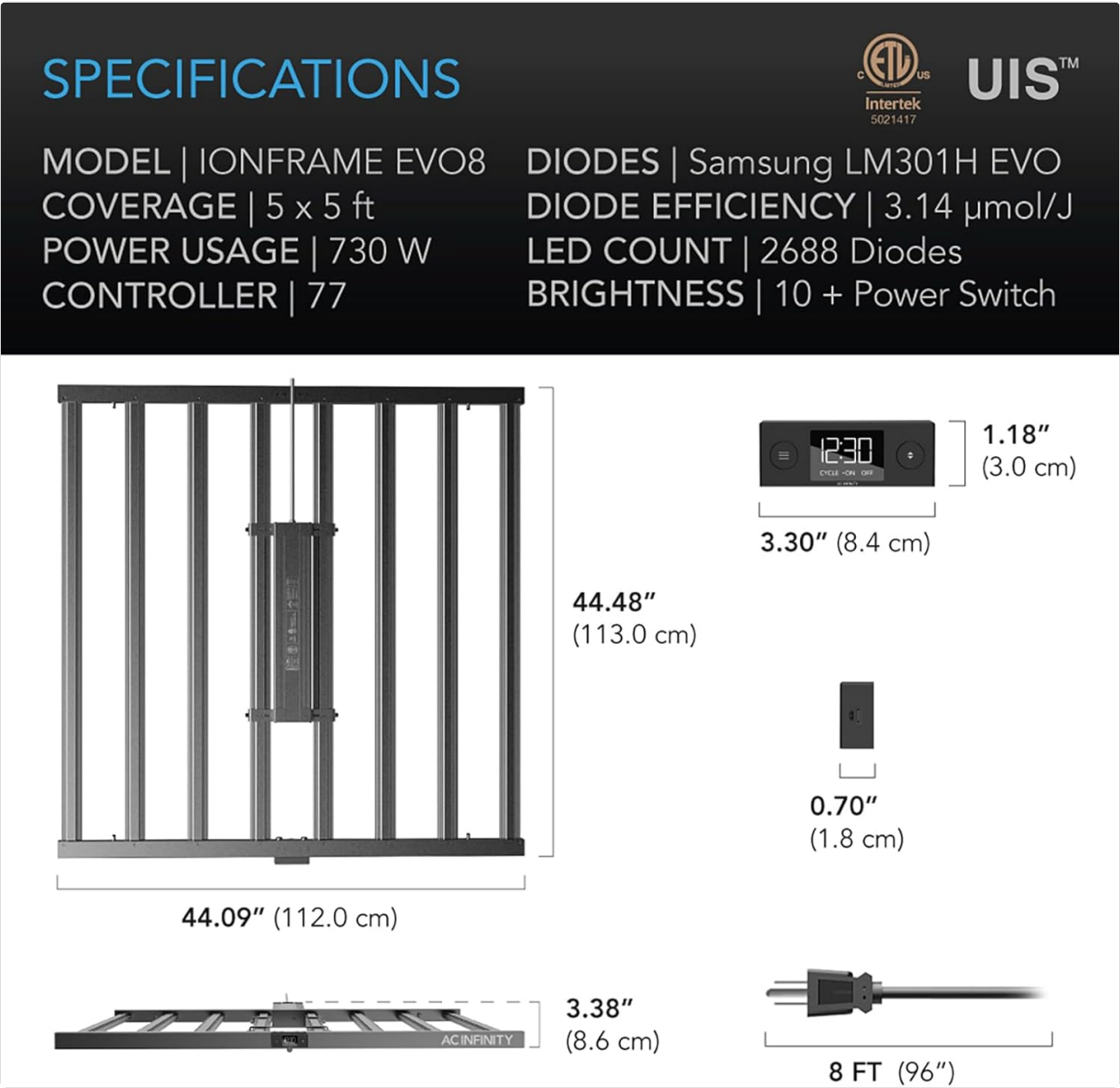


Figure 8.1: Diagram showing key dimensions and specifications of the IONFRAME EVO8.

| Attribute | Value |
|-----------|---------------|
| Model | IONFRAME EVO8 |

| Attribute | Value |
|------------------------|----------------------------------|
| Coverage (Flower) | 5 x 5 ft. |
| Coverage (Vegetative) | 6 x 6 ft. |
| Power Usage | 730 Watts |
| LED Diodes | Samsung LM301H EVO (2688 Diodes) |
| Diode Efficiency | 3.14 μ mol/J |
| Brightness Levels | 10 + Power Switch |
| Dimensions (L x W x H) | 32.67 x 16.14 x 3.03 inches |
| Item Weight | 37 pounds |
| Material | Aluminum, Steel |
| Connectivity | Wi-Fi (for app control) |
| ETL Certification | 5021417 |

9. WARRANTY INFORMATION

AC Infinity products are typically covered by a manufacturer's warranty. For specific warranty terms, duration, and conditions applicable to your IONFRAME EVO8 LED Grow Light, please refer to the warranty card included with your product or visit the official AC Infinity website. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical support, troubleshooting assistance, or general inquiries regarding your AC Infinity IONFRAME EVO8 LED Grow Light, please contact AC Infinity customer service. You can find contact information and additional resources on their official website or through their Amazon store page:

- **AC Infinity Amazon Store:** [Visit AC Infinity Store](#)
- **Official User Manual (PDF):** [Download PDF Manual](#)

No official product videos from the seller were found in the provided data.

