

# PHOTONICAN

## Guarantee & Warranty

PHOTONICAN® warrants the mechanical and electronic components of this product and guarantees the materials and workmanship free of defects if used under normal operating conditions for a period of five (5) years from the original date of the purchase.

If you find that there are any defects with this product that related to either the workmanship or the materials but are not due to improper use or user error, PHOTONICAN® shall, at its discretion, either replace or repair the product using the appropriate new or reconditioned parts.

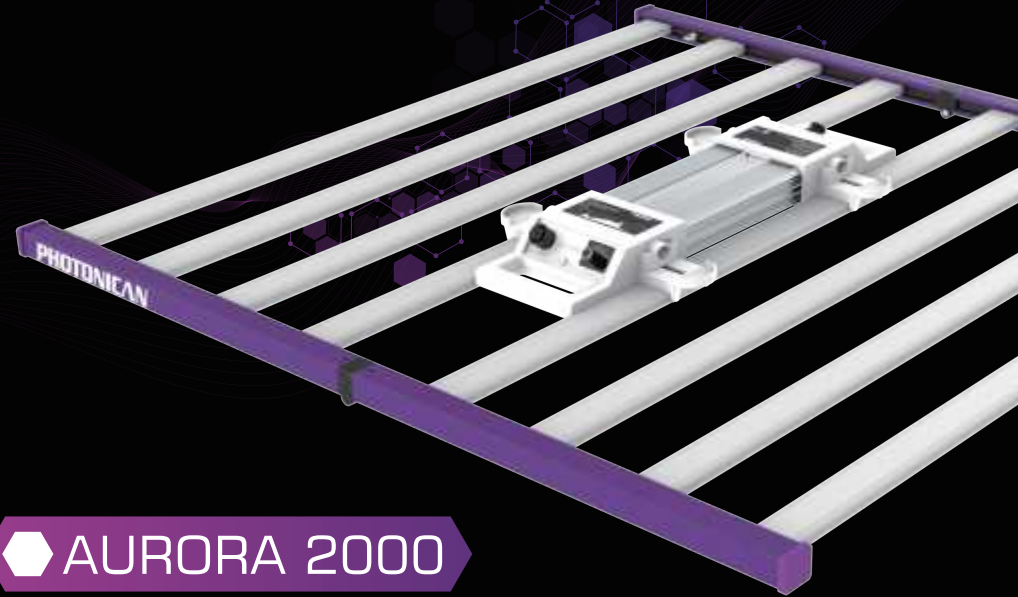
In the case that PHOTONICAN® decides to replace the entire product, the date of the limited warranty shall apply to the replacement from the date of the purchase of the initial product for five (5) years.

- A. PHOTONICAN® warrants two (2) years for all non-human caused quality problems, and will repair the product by using the appropriate new or reconditioned parts whilst being responsible for freight.
- B. For the product defects after two (2) years since purchased date, customers will need to pay freight for the defected parts that to our after-service center, as well as return freight. PHOTONICAN® will repair the product by using the appropriate new or reconditioned parts.

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## AURORA 2000

THANK YOU FOR CHOOSING PHOTONICAN®

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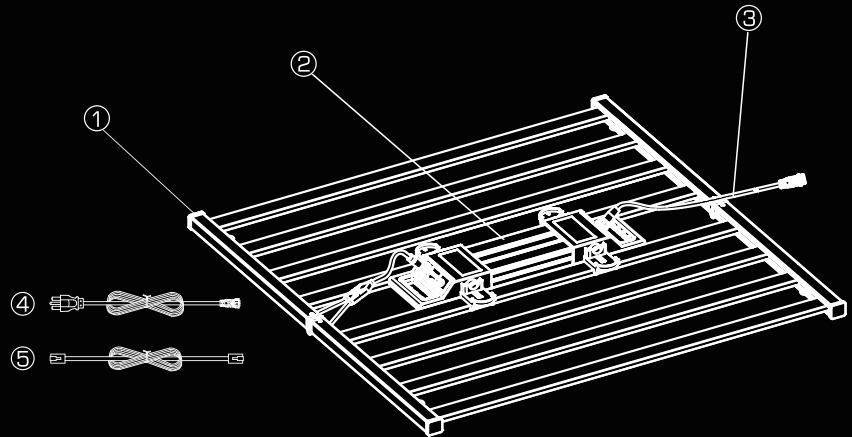


# Packaging Contents and Specifications

## Packaging Contents

Please ensure you have received all hardware and accessories listed below before beginning installation. If any of the contents are missing or damaged, do not hesitate to contact us or a related service center.

1. AURORA 2000 LED Fixture : 1 Set
2. AURORA 2000 LED Driver : 1 Set
3. AC Output Extension Cord : 1pc, 9ft (2700mm) long
4. AC Power Cord: 2 pcs, 1ft (300mm) long + 120v/240v plugs
5. RJ14 Signal Cable: 1pc, 12ft (3000mm) long

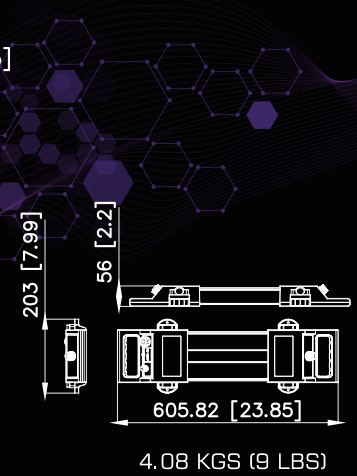


# Dimensions and Weight

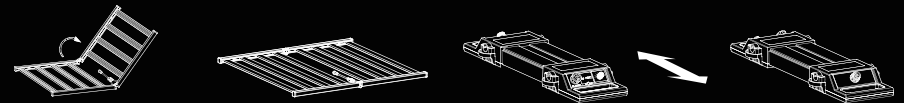
## LED Fixture Dimensions



## LED Driver Dimensions



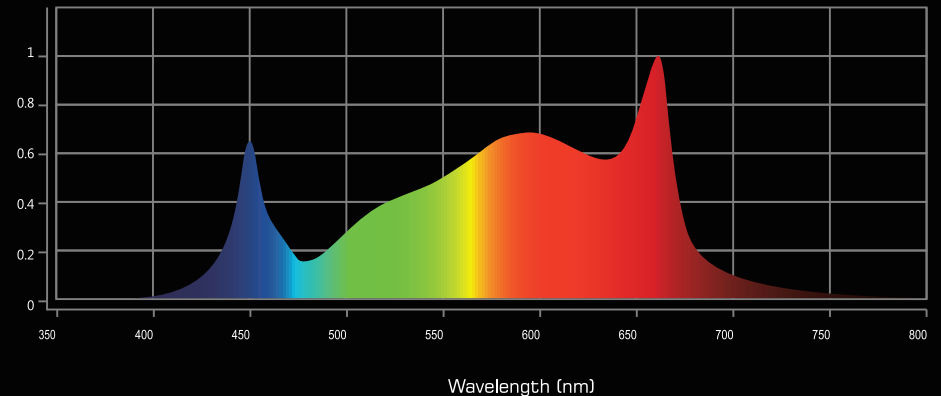
**WARNING:** This LED fixture is foldable. Ensure the installation is conducted on a flat surface, without pressure from any sharp or hard objects.



## Technical Specifications

Spectrum	Full Spectrum
PPF	2000 $\mu\text{mol/s}$
PPE	2.91 $\mu\text{mol/J}$
Input Voltage	120v 240v 277v
Input Current	5.84A 2.83A 2.52A
Input Power	680w $\pm 5\%$
Mounting Height	$\geq 6"$ Above Canopy
Dimming Control	Knob & RJ14 (0-10v)
Light Distribution	120°
Lifetime	L90: >54,000 Hours
Power Factor	>0.9

## AURORA 2000 Indoor Full Spectrum



## Cautions and Warnings

Please read the following instructions carefully prior to installation and use of the AURORA 2000;

### Caution:

- Always adhere to local rules and regulations while installing or using the LED fixture.
- Do not open or disassemble the LED fixture. Opening or modifying the LED fixture can be dangerous and will void any warranties.
- Do not use the LED fixture or its power cord if they are damaged. Replace the power cord only with original certified cords.
- Modifications to the power cord can lead to unwanted electromagnetic effects and/or interference. Warranty will become void and compliance with legal regulations will be nullified.
- The installation and use of the AURORA 2000 is responsibility of the end user. Incorrect installation or use can lead to the malfunction and/or failure of the LED fixture. Any damage to the LED fixture and the electrical security of the LED fixture as a result of incorrect installation and use will revoke any warranties.

### Warning:

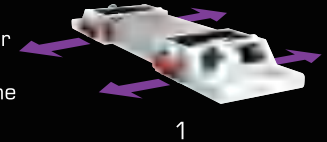
- **Installation or unload must be performed without any electrical power.**
- Do not touch the LED fixture while it is on. This can result in severe burns.
- Disconnect the LED fixture from mains before performing any maintenance. Allow to cool for a period of 30 minutes before touching the LED bars.
- Do not use the LED fixture near flammable, explosive or reactive substances. LED fixture temperature reaches  $>104^{\circ}\text{F}/40^{\circ}\text{C}$ .
- **Do not expose LED fixture to:**
  - Ambient temperatures outside the specified range.
  - Dust and/or contamination.
  - Direct sunlight during use or any other lights that could heat up the power supply enclosure.

## Installation Instructions

Please follow the instructions listed below carefully.

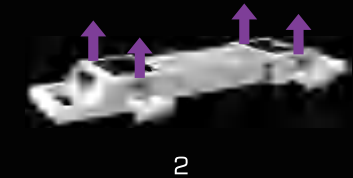
### 1. Mounting Driver on LED fixture.

- A. Place the driver in the middle of the LED fixture.
- B. The AURORA 2000 includes four (4) clips on the driver stand which locks the driver position on the LED fixture. Pull out the clip (as shown in figure 1), until the clip locks.
- C. Repeat step B with the other 3 clips.



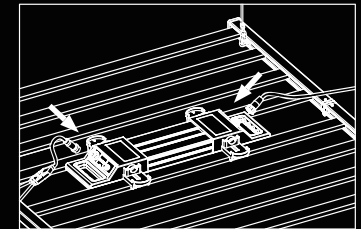
### 2. Unload the Driver off LED fixture.

- A. Grab one of the white handles located on each side of the driver.
- B. Gently pull each clip apart while lifting the driver off the LED fixture.
- C. Lift the locks (as shown in figure 2) which will cause the clips to rebound back inside the driver.  
**CAUTION: Rebound happens quickly, take precaution to avoid any injuries. Do not put any objects under the clips.**
- D. Repeat step A. and B. for the other side of the driver.
- E. Lift the driver off the LED fixture by grasping the two white handles.
- F. Place the driver in an isolated and dry environment.



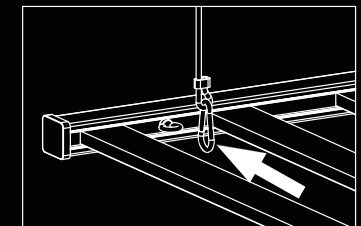
### 3. Connecting the Power Cord.

- A. WARNING: Make sure mains power is switched off before connecting the LED fixture to the power cords.**
- B. Connect the power cord with the extension input cord in line with your local electrical voltage - 120v/240v.
- C. Connect the power cord to outlet and output cord to driver.
- D. Ensure any external controllers are suitable to cope with the electrical current influx of the LED fixture.



### 4. Hanging the LED fixture.

- A. Slide the hooks into the four (4) ring screws, or suitable positions, on the LED fixture beam.
- B. Once the hanger is securely in place, lift the fixture to install the other hanging hardware. Adjust the fixture height at the same level or you may have an unbalanced fixture.

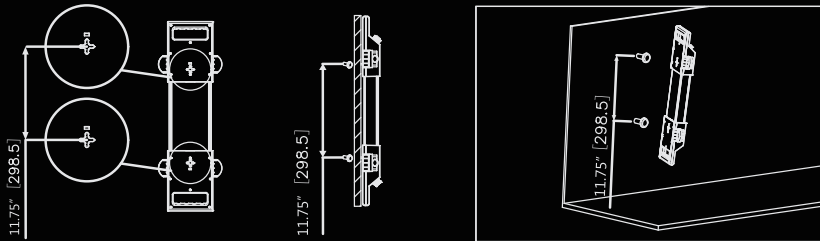


## Mounting Instructions

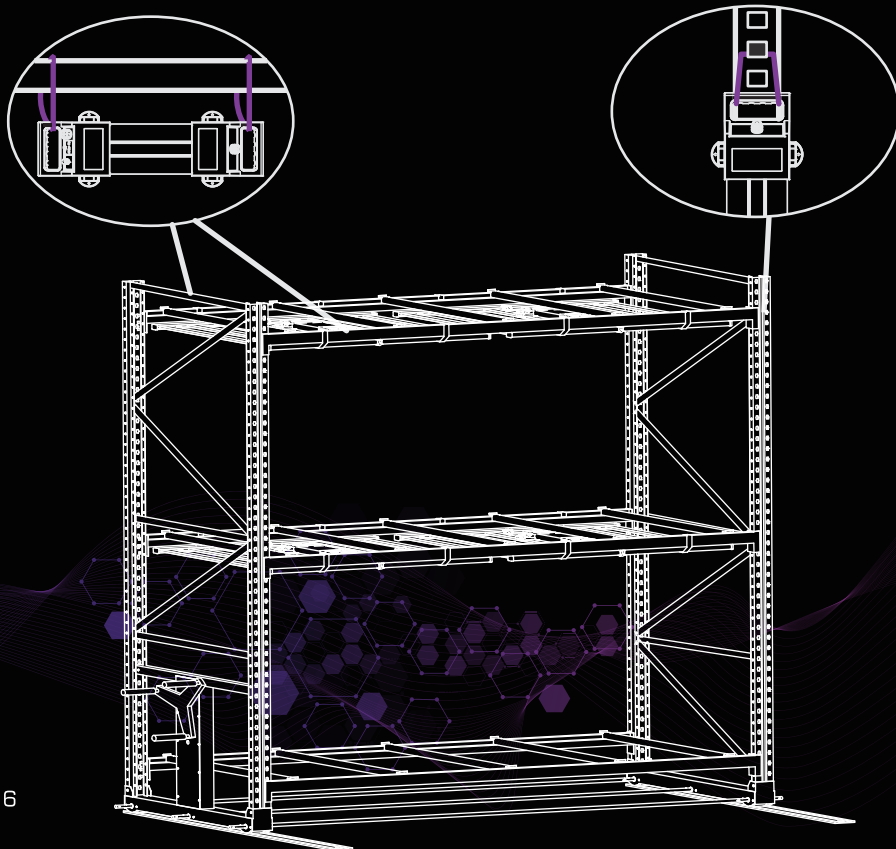
The AURORA 2000 LED driver comes with two mounting solutions. Please mount according to your growing system.

1. If you wish to mount the LED driver on the LED fixture, please follow the instruction for "Mounting Driver on LED fixture", "Connecting the Power Cord" and "Hanging the LED fixture" on P5.
2. To place the LED driver outside the LED fixture (you may need to purchase extension output cord), either:

Install two screws on wall by a distance of 11.75 inches (298.5mm)



OR mount the driver on rack & outside the fixture:



## Control Systems

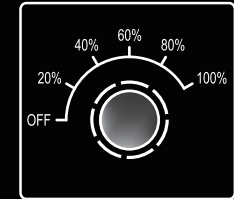
### Dimmer Knob on Driver

Manual dimming for different growing phases is controlled by the knob found on the driver:

Our Recommendations:

VEG dimming rate on 20-50%,

Flower dimming rate on 60-100%



### External Controlling System

The AURORA 2000 can link up to 128 lights per group, depending on capability of the external controller. Pandora, our smart lighting controller, is sold separately on our PHOTONICAN® website.

To connect your external controller, please follow these steps;

**WARNING: All wirings must be operated without any electrical power.**

1. Lift up the rubber cap (RJ PORT) in the middle of the driver output side.
2. Use an RJ14 (6p4c) cable to insert the LED channel on the controller. Insert the other side of the cable to the first LED.
3. Link the first LED with the next LED, and repeat this step until the end of your lighting system.

