

# OPTIPAR APOLLO



## 800W FULL SPECTRUM LED

### USER MANUAL

# OPTIPAR APOLLO

## 800W FULL SPECTRUM LED

Spectrum

Wavelength(nm)

UK CE FC

IP65 ETL Intertek 5011622 5 YEAR Warranty

### 1. Technical Specifications

<b>Output</b>	2400 (μmol/s)
<b>Spectrum</b>	Full Spectrum
<b>Power</b>	800W
<b>Voltage</b>	100 – 277VAC
<b>Efficiency</b>	3.0 (μmol/J)
<b>Dimming</b>	Yes, 10%-100%

<b>IP Rating</b>	IP-65
<b>Product Dimensions</b>	1110mm x 1150mm x 58mm
<b>Certifications</b>	EU / UK
<b>Country of origin</b>	PRC
<b>Warranty</b>	5 year

### 2. Usage Scenario

#### Phase 1: Vegetation

- Distance Canopy: 50 – 70cm
- Dimming: 40 – 60%



#### Phase 2: Flowering

- Distance Canopy: ->30 – 50cm
- Dimming: 60% - 100%



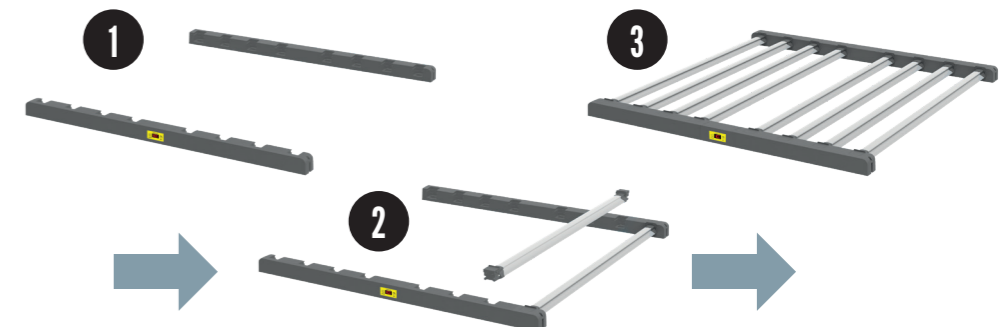
– Rate of photosynthesis and transpiration are directly affected by temperature, humidity and air flow.

– Ideal minimum distance between canopy and lights -> 30cm on 100% operational mode.

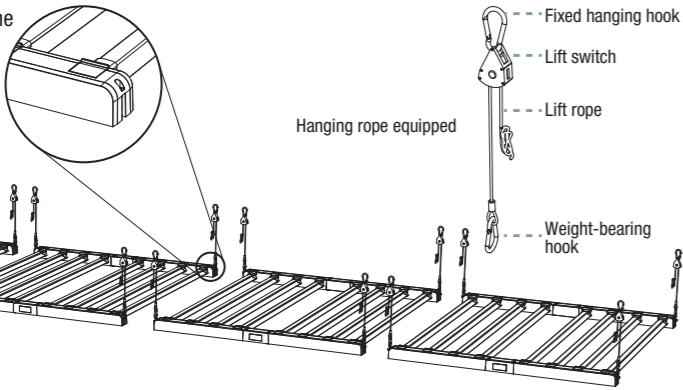
### 3. Assembly Instructions

#### 3.1 Easy to install

– Only three steps to complete the product assembly.

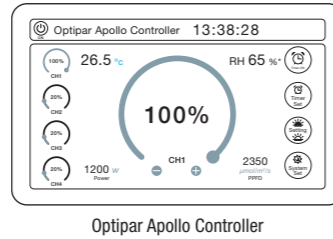
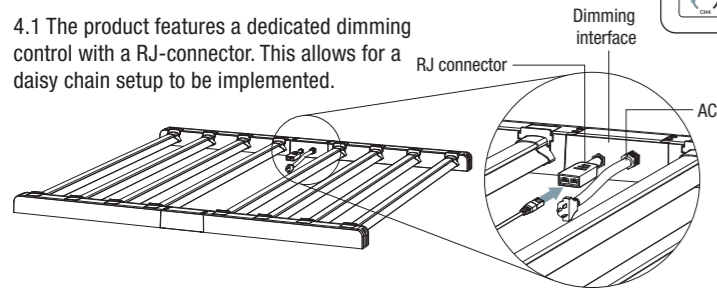


3.2 The holes at both ends of the lamp holder are convenient for using hooks or as fixing holes.

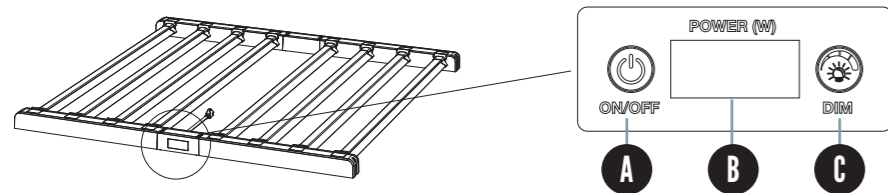


## 4. Wiring and display introduction

4.1 The product features a dedicated dimming control with a RJ-connector. This allows for a daisy chain setup to be implemented.



4.2 About touch keys and display.



**A** Switch button, short press to turn on/off the light, long press 3S to switch the maximum output power when the light is on.

**B** Display box, which usually displays the input power. When switching the maximum output power, the maximum power value is displayed for 30 seconds; The brightness value is displayed for 30 seconds during dimming; Self check status code is displayed when power on, 0001 is normal; The display box goes out when the light is turned off.

**C** Dimming button, the dimming value is cycled between 0-100, step by step, short press the brightness value+10, long press the brightness value to increase by 10 steps.

## 5. Important Safety Precautions

Please read the manual thoroughly before attempting to install or operate Optipar Apollo and keep it for future reference.

Connect the light only to the power sources of the appropriate voltage using the plug received. Protect power cables from being pinched or damaged, especially where the power cable enters the power outlet and the unit.

If the provided plug does not fit your socket, please contact us for help by email immediately.

Please do not replace the power cord or plug by yourself, otherwise we are not responsible for man- made damages.

The system should only be cleaned as directed in the manual.

You should seek service by qualified service personnel if any of the following occur:

1. The power-supply cord or the plug has been damaged;
2. The unit has been exposed to rain;
3. The unit exhibits a marked change in performance;
4. The unit has been dropped, or its enclosure or chassis is damaged.

## 6. General Care

- Optipar Apollo is passively cooled with zero moving components. It is designed for harsh environments and years of maintenance-free performance. Some basic care will keep your lights working at peak performance cycle-after- cycle.
- Natural convection removes heat away from the heat sink. In order to properly cool itself, at least one inch of space is required between the fixture and the roof of your grow area. Failure to do so may shorten the fixture's lifespan.

- To achieve the optimal lifespan and performance of your fixtures, routinely check for and remove excess dust, debris, and mineral build up from heat sink and LED array. Cleaning should always be done with the fixture or using low-pressure compressed air with unplugged from its power source.

## 7. Caution

- In summer or other hot environment, please use a cooling fan to keep a suitable temperature for your plants.

## 8. Warning

- Do NOT touch while in operation.
- To prevent eye damage, avoid looking directly at the LEDs.
- To reduce the risk of overheating or fire, always allow for adequate ventilation of fixtures and power supplies.



- Read through this manual before installation.
- Handle the product with care.
- The product must be grounded.
- This product must be installed and maintained by certified electrician.
- Consult with the manufacturer before maintenance.
- Turn OFF the power before installation and maintenance.
- Make sure the products are securely installed.
- The housing might become hot after operation.
- Primary use: auxiliary lamp used to promote plant growth and maturity.
- Make sure the construction is strong enough to support the products.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.



[www.optipar.eu](http://www.optipar.eu)



[www.the-a-group.ch](http://www.the-a-group.ch)