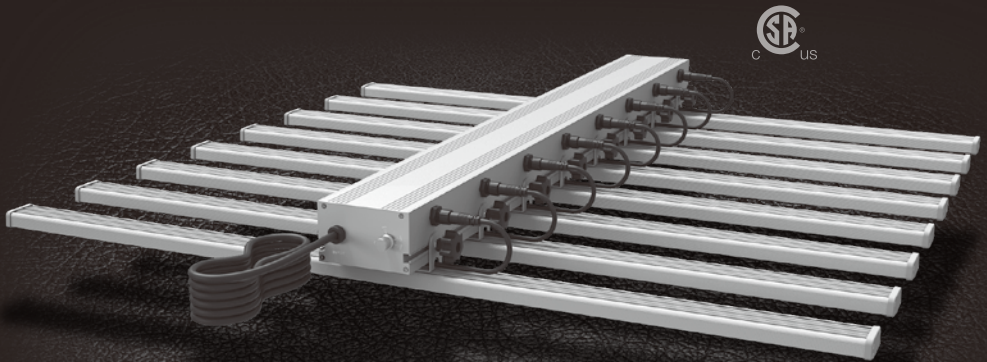


# 600W LED Dimmable Growing System User Manual



**OSRAM** *LightSource*

**LIGHTSPEED** PRO  
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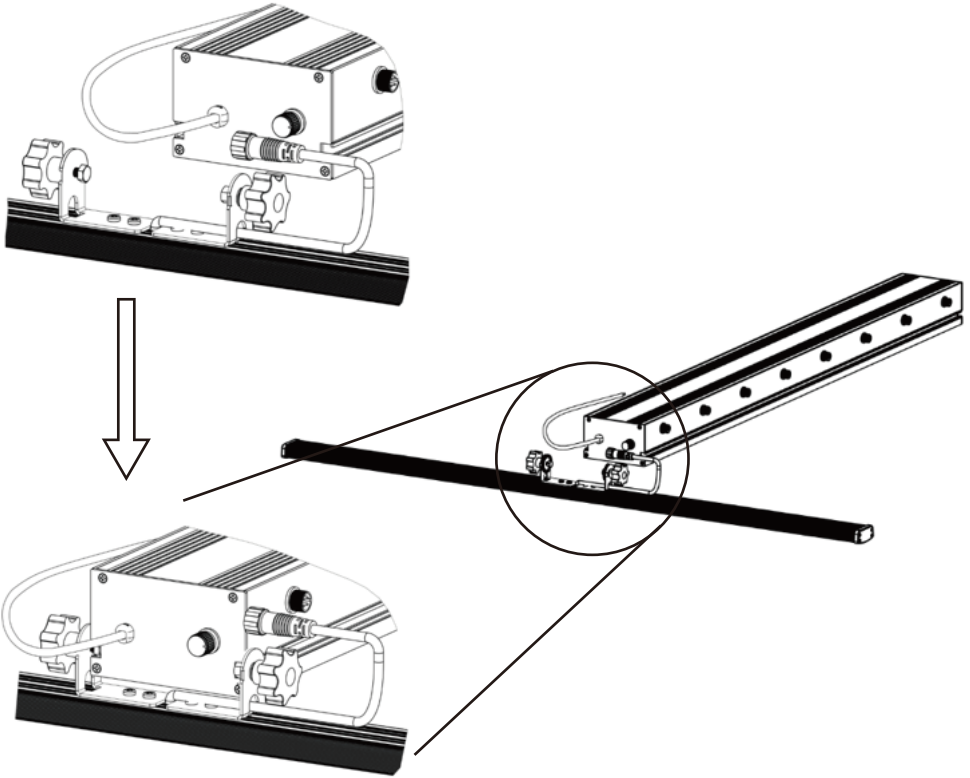
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## 1. Introduction

This is a 600W LED horticulture light with an input voltage of 100-277V and a frequency of 50/60Hz. The power input coupling is an IEC connector.

## 2. Fixture Assembly

2.1 Position the hex bolts inside the LED strip inline with each guide hole on either side.



2.2 Align the lamp strips perpendicular to the driver housing, connect the female socket on the lamp strip with the male plug on the driver housing. Plug the sockets together, then twist the coupling  $\frac{1}{4}$  turn to lock. Finally, tighten the hand screw nut to hold the lamp strip in place. Repeat with each LED lamp strip.

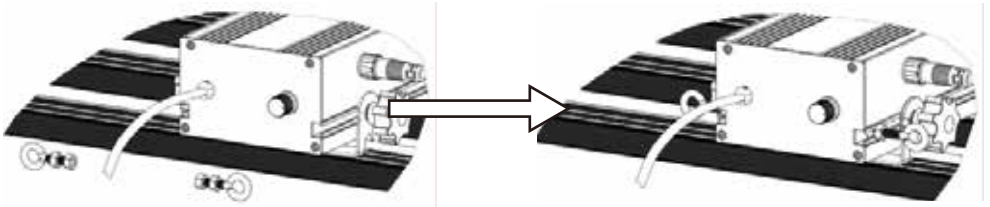
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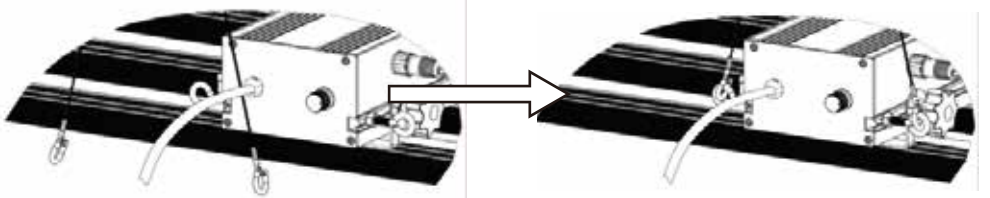


### 3. Suspension

3.1 Gather the included eye bolts and ensure they each have two hex nuts threaded. Slide the lower hex nut of the eye bolt into the driver casing's guide rail, with the second hex nut on the outside of the guide rail. Hand tighten the eye bolt and position the eye bolt's gap vertically downward as shown. Next, using a wrench, tighten the outer hex nut until snug. Do not overtighten.



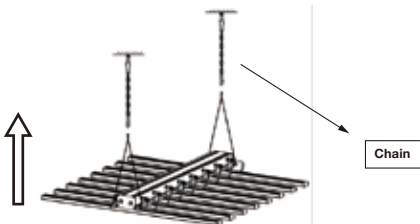
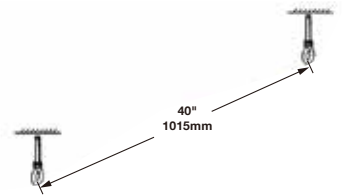
3.2 Insert the steel wire rope hook into each eye bolt.



3.3 If using permanent ceiling mounts with eye bolts, mounts should be aligned with the fixture to achieve the desired lighting spread and positioned 1.015 meters apart.



3.4 Next, hang the fixture from the ceiling mounts. If the included cable is not long enough for your requirements, a rope ratchet or recommended stainless steel chain is recommended to be used as an extension.

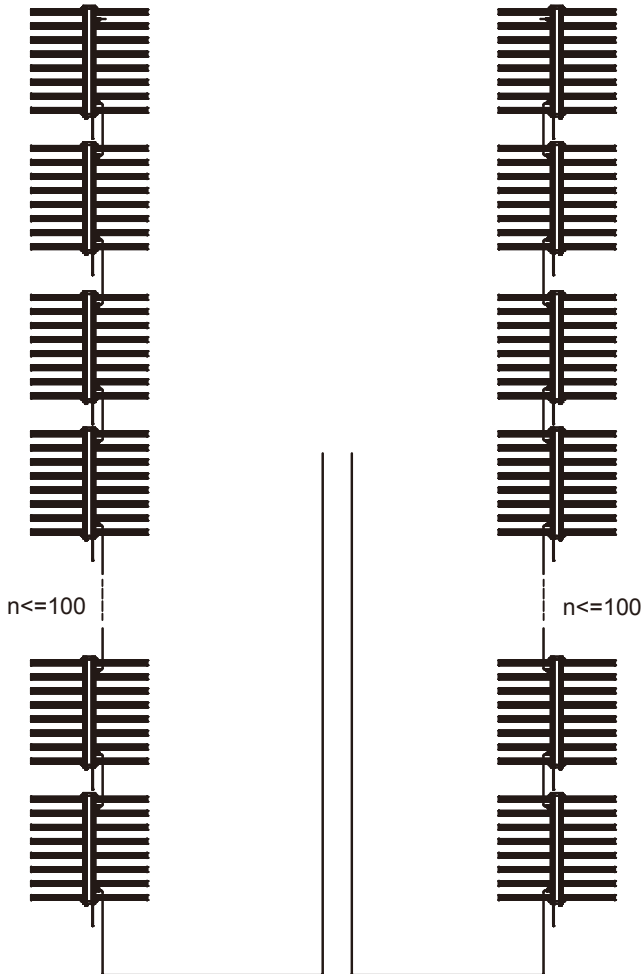


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### 3.5 Connecting fixtures in series for remote controlling.

Connect controller output signal wire to fixture 1 input. Connect signal wire from fixture 1 output to fixture 2 input. Continue to connect fixtures in series for up to 200 fixtures per controller.

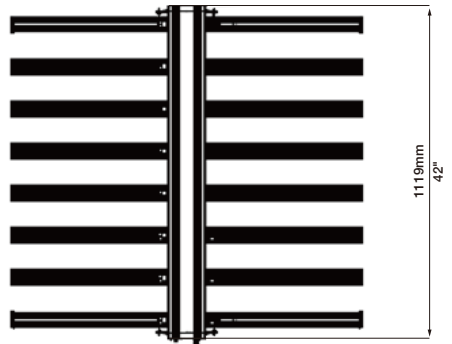
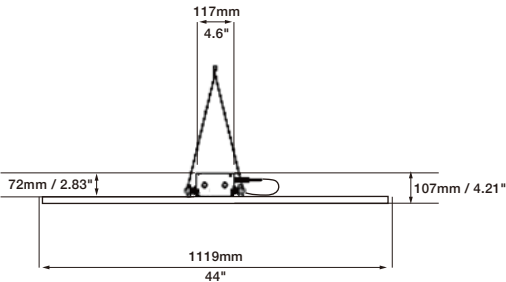


## 5. Product main parameters

Parameter	Typical value	Code	107656
Power	600W	Input voltage	100-277 VAC, 50-60Hz
Power factor	>0.95	Light efficiency	2.3umol/J
PPF	1482 $\mu\text{mol/s}$	Dimming	0-25%-50%-75%-100%
Spectrum	R/W	Light angle	110°
IP grade	IP54	Connect way	Wire Input
Warranty	5 year pro-rated	Life span	>50,000H
Net weight	$\approx 17.5\text{kg}$	Work temperature	-20°C — +40°C
Mounting Height	>30cm Above Canopy	Certifications	CSA/IC

## 6. Dimensions

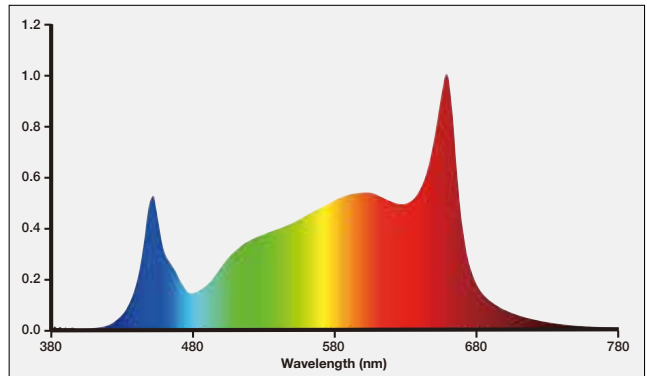
### 6.1 Dimensions of fixture



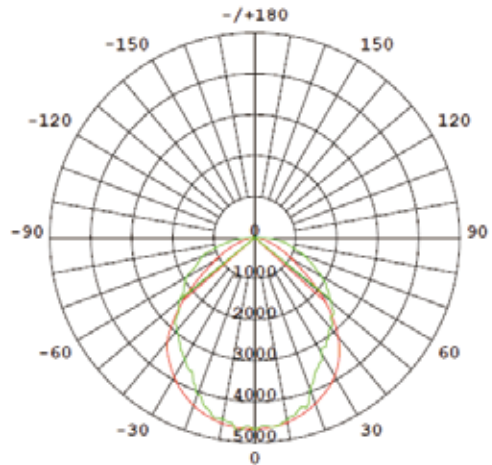
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## 7. Light spectrum



## 8. Light distribution curve



## 9. Cautions

- Avoid direct contact with rain or snow.
- This product should be stored in a dry and well-ventilated warehouse with a temperature of  $-25^{\circ}$  to  $+50^{\circ}$  and relative humidity no more than 85%.
- This product should be inspected and maintained at regular intervals (within 6 months).
- Keep away from liquids to avoid damage.
- Periodically verify the stability of the hanging lamp and its supports to prevent injury.
- For best results, LED lighting fixtures must be installed and kept parallel with the ground.

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