



F SERIES GROW LIGHTS USER MANUAL

MODEL NUMBER: F4000

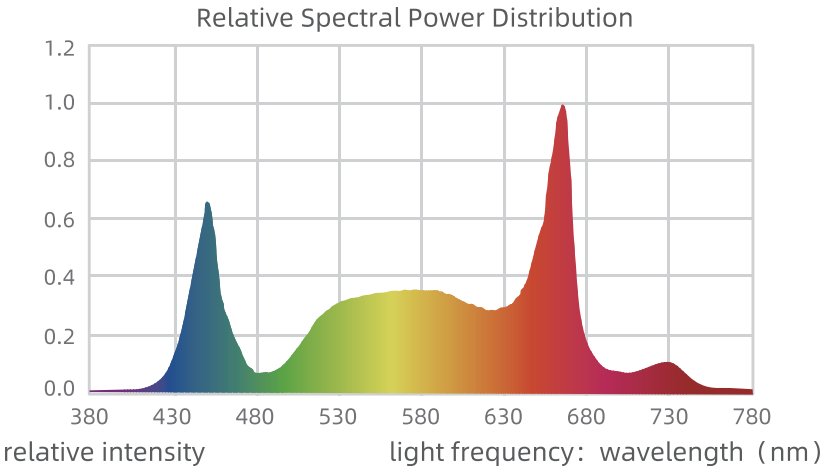
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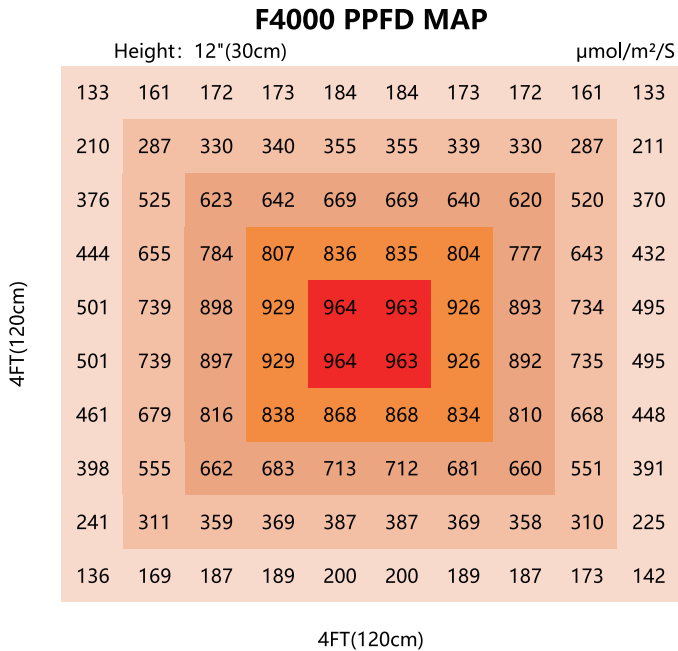
SPECIFICATIONS

Model Number	F4000
INPUT POWER	330W
PPF($\mu\text{mol/s}$)	831.6
PPFD($\mu\text{mol/s/m}^2$) at 12"	964
Product Dimension&Weight	42"*14.4"*3" /15.18 lbs
INPUT VOLTAGE:	120-277V
PF:	>0.9
THD:	<20%
DIMMING:	25%-50%-75%-100%
COLOR TEMPERATURE:	3000K/ 5000K/ 660nm/ 730nm
PPE($\mu\text{mol/J}$):	2.52
WARRANTY:	5 years
CERTIFICATIONS:	UL 8800, UL 1598,DLC

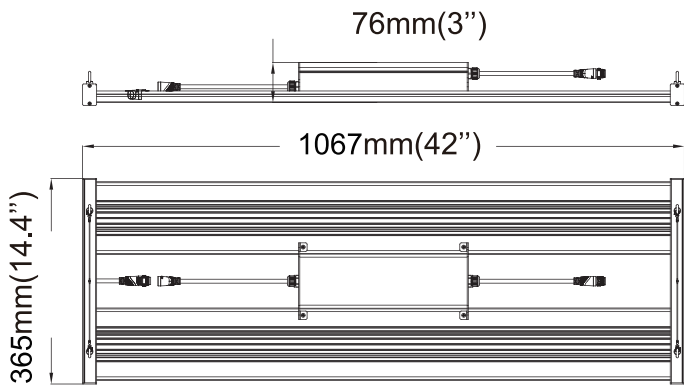
PHOTOMETRY



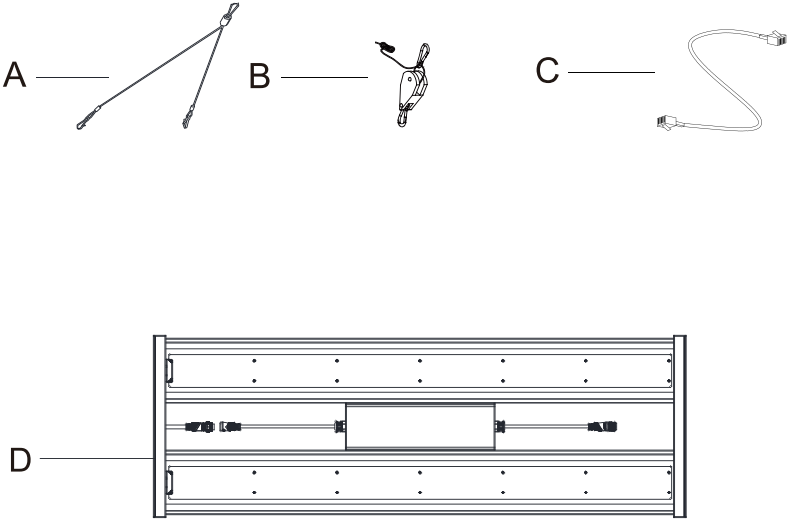
SPECTRA



DIMENSION



PACKAGE CONTENT



	PARTS	Dimension	pcs
A	Cable	L 14.9"	2
B	Rope Shrink	L 88"	2
C	Daisy Chain Cord	L 118"	1
D	LED fixture	D 42"*W 14.4"*H 3"	1

SAFETY INSTRUCTION

Please read and understand all instructions before operate or install the product. To reduce the risk of FIRE OR INJURY TO PERSONS.

1. Shut off the electricity to the wires that you are working on.
2. Do not open or disassemble the LED fixture, it contains no serviceable parts inside. Opening or modifying the LED fixture can be dangerous and will void the warranty.
3. Storage environment: store the LED fixture in a dry and clean environment, with an ambient temperature of -4--180°F (-20--80 °C) .
4. Operating environment: a mechanical ventilation or cooling system is required to maintain the temperature within the growing space among 32--95°F(0--35 °C) when the horticultural luminaire is in operation.
5. Do not use the LED fixture when either the LED fixture or its power cord are damaged. Replace the power cord only with original certified cords.
6. Always allow for a cool down period of at least 30 minutes before touching the LED rails. Touching the LED rails when the fixture is lit or immediately afterwards can result in severe burns.
7. Regularly check the LED fixture for dust or dirt buildup. Clean if necessary. Contamination may cause overheating and decreased performance. Clean the outside of the LED fixture using a dry or damp cloth.

8. Installation and Operating Instructions

1) The minimum required distance are 150mm, the distances include: between adjacent lighting equipment, between the lighting equipment and combustible materials such as walls, ceilings, movable partitions, and the like; and between lighting equipment and other heat generating equipment(providing these installation limitations are needed to prevent overheating of lighting equipment, other equipment, or combustible materials within the installation environment)

2) Instructions specifying the method for connecting the lighting equipment to the branch circuit or to a remote power unit or both

3) For lighting equipment with cords or wiring harnesses, the cords:

- Are not concealed or extended through a wall, floor, ceiling, or other parts of the building structure
- Are not located above a suspended ceiling or dropped ceiling
- Are not permanently affixed to the building structure
- Are routed so that they are not subject to strain and are protected from physical damage
- Are visible over their entire length
- Are used within their rated ampacity as determined for the maximum temperature of the installed environment specified in the instructions

READ BEFORE INSTALLATION

WARNING:

To avoid the damaging the LED chips, don't touch the LED chips with you hands or anything else during all the processes of opening the package, installing the fixture and maintaining the fixture.

Mounting and installing of the LED fixture may only be executed by certified service personnel, in accordance with the applicable local laws and regulations, the installer is responsible for correct and safe installation. Ensure the local cabling can support the voltage and current requirements of the LED fixture.

Ensure the power cord and the controller cables not to touch any of the LED rails after assembly.

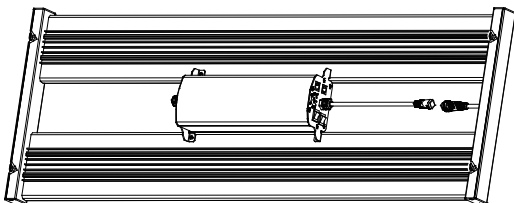
CAUTION:

- UV emitted from this product
- Possible hazardous optical radiation emitted from this product
- IR Emitted from this product

INSTALLATION

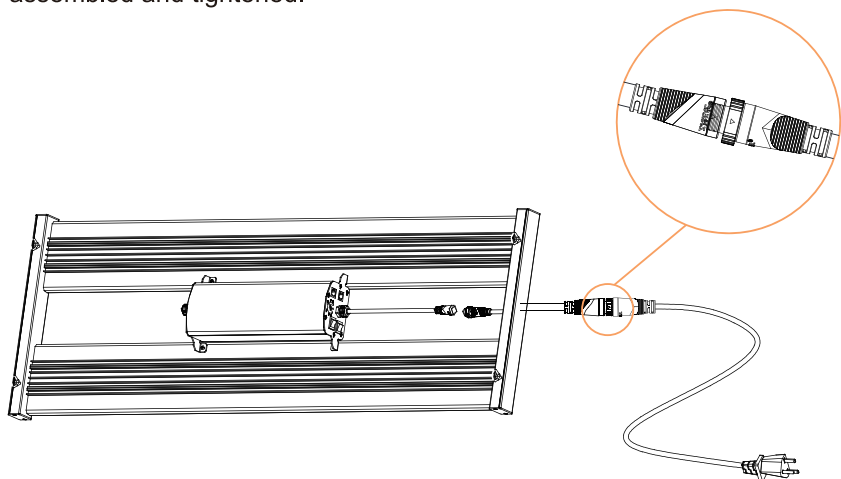
Take caution when handling light bars. Ensure the LED array does not come in contact with sharp objects or force that may damage the diodes.

- 1 Gently place the fixture on a stable and flush surface.

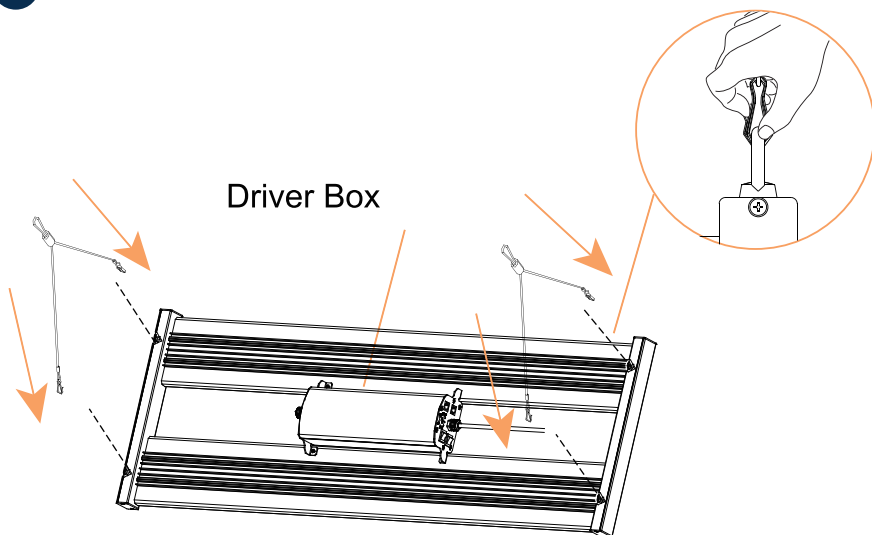


INSTALLATION

- 2 Double check and make sure all the joints for the power cord are assembled and tightened.

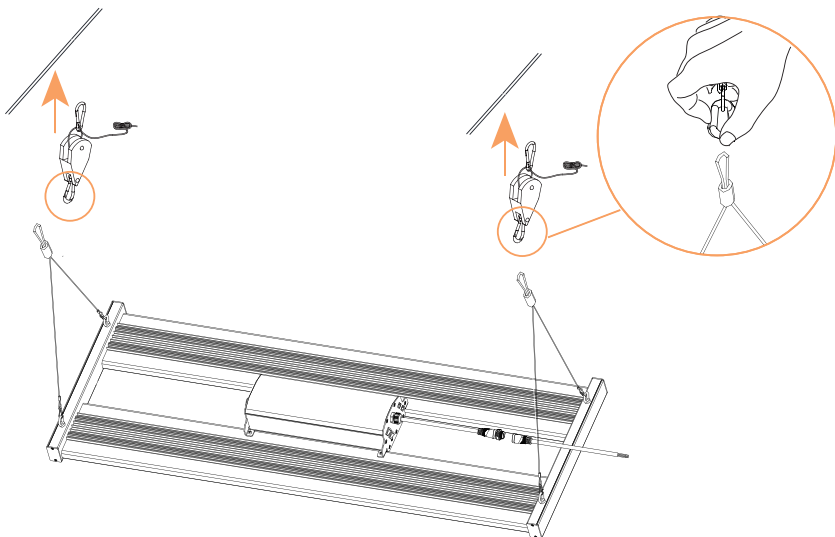


- 3 Attach the cable to the rod of the LED fixture

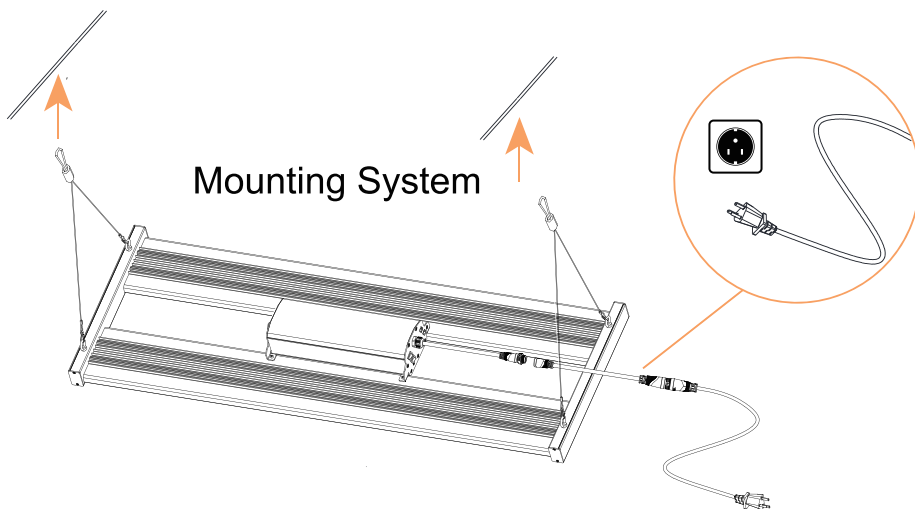


INSTALLATION

- 4** REMARK: There is 1pc rope shrink (88") used to extend the cable.

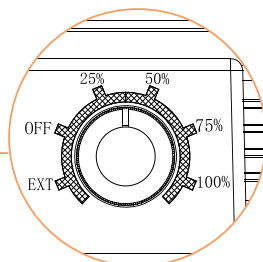
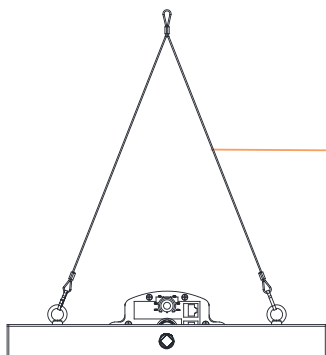


- 5** Hang up the fixture and plug the power cord to light on. Be sure to hang from the center of the lance hanger to ensure a balanced fixture



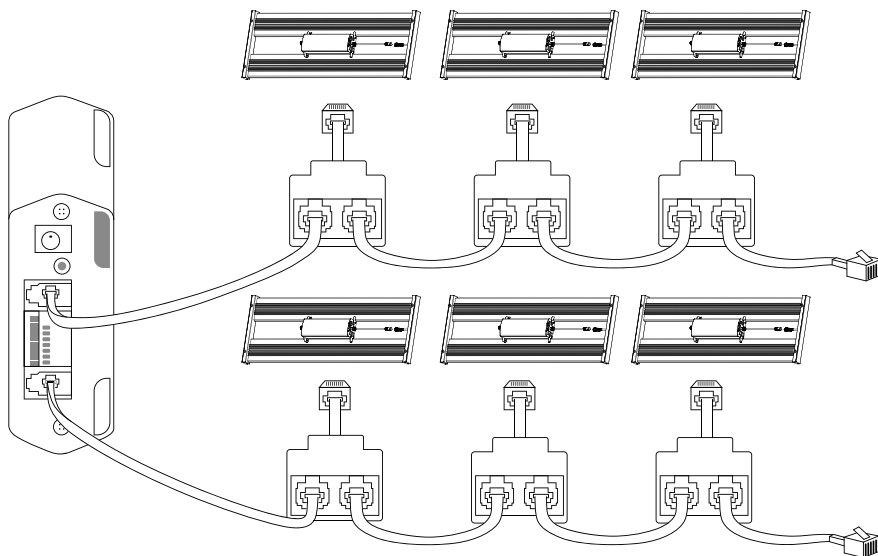
INSTALLATION

- 6 Make sure the light is assembled well and use the dimmer switch to control the light.



Dimmer Switch

DAISY CHAIN FUNCTION



DAISY CHAIN FUNCTION

For multiple lights connected together, there is 1pc (118") daisy chain cord for connect lights. You will need to use a controller (not included) to control all the other lights dimmable & turn on and off. Easy operation providing great convenience to your planting.

Recommended controller suggest Gavita Master Controller EL2-Gen 2, Grower's Choice Master Controller, Luxx NX-1 Smart Controller. You can also contact us if you are not sure which controller to use.

- Turn the dimming knob on all of the fixtures to "EXT" (external control).
- Plug the daisy chain cord into the port of the light fixture and the port of the controller.
- And then plug the daisy chain cord into the port of the light fixture and the port of the other light fixture.
- Repeat above process to connect up to 50 LED fixtures per group.
- Then you can use the controller to control all the lights dimmable & turn on and off.

TROUBLESHOOTING

Descriptions	Causes/Solutions
No light output.	<ol style="list-style-type: none"> 1. Power cord isn't connected properly or connections are loosen. <ul style="list-style-type: none"> • Check the power cord connections. 2. If you use the LED fixture as a stand alone, the fixture should exit EXT mode.
Controller Device doesn't work.	<ol style="list-style-type: none"> 1. Dimmer switch on the LED fixture isn't on EXTERNAL CONTROL mode. <ul style="list-style-type: none"> • Adjust dimmer switch to EXTERNAL CONTROL position. 2. Controller cable isn't connected properly or connections are loosen. <ul style="list-style-type: none"> • Check the controller cable connections.
Light burn or light stress (Green plants leaves or tips becoming yellow unnaturally.)	<ol style="list-style-type: none"> 1. LED lights are too close to green plants. <ul style="list-style-type: none"> • Move your LED lights further away from green plants right away. 2. Too much lights. <ul style="list-style-type: none"> • While using dimmer switch, adjust your dimmer switch to export less lights.

WARRANTY

This product is warranted for 5 years from the date of purchase. If this product does not perform to the specifications supplied on this package, send an email to info@fslled.com for product return and replacement. This replacement is the sole remedy available. Liability for incidental or consequential damage is expressly excluded.



FRANKLIN

