



ASTRICA



Application

Indoor Farming Vertical Farming Cannabis Cultivation

- One-click snap on assembly, easy to install & upgrade
- Sustainable packaging to minimize packaging & transportation costs
- Adjustable hanging, adaptable to different stages of the the grow cycle
- Robust mechanical & electrical connections for product reliability
- Separate modular design, customizable to unique cultivation requirements
- 0-10v dimming, onboard & external controll up to 100 lights per line
- Independent external driver & detachable light bars



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LED GROW LIGHT

Features & Benefits

Input Power	650W / 820W
Viewing Angle	110°
CRI	> 88
Input Voltage	100-277VAC 50/60Hz
650W Amp Draw	5.66A@120V, 3.16A@220V, 2.91A@240V, 2.53A@277V
820W Amp Draw	7.18A@120V, 4.17A@220V, 3.84A@240V, 3.34A@277V
PF	> 0.9
THD	<20%
Driver Surge protection	6KV
Dimming	0-10V
LED Type	3000K+5000K+660nm+730nm
Housing	Aluminum Alloy
Housing Color	Silver
Heat Output	650W@2096 BTU 820W@2608 BTU
Operating Temperature	-10~40°C
Operating Humidity	10%-90% RH
Storage Temperature	-25~60°C
Storage Humidity	10%-90% RH
Warranty Time	5 Years
N.W (KG)	650W@11.0kg /24.25LBS 820W@14.7kg /32.41LBS
G.W (KG)	650W@13.4kg /29.54LBS 820W@16.7kg /36.82LBS

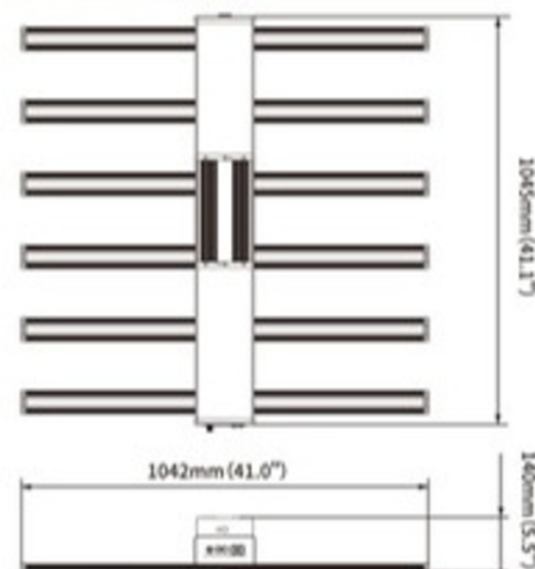
Recommended Application

Multi-layer	4-5FT wide benches, 4-6 in from canopy
Room	one fixture per 4FT to 4FT area
Tent	4FT to 4FT area to 5FT to 5FT area

Performance Data

Model	Input Voltage	Input Power	PPF	PPE	ETL	DLC	FCC
DMS-H10-650-A66-A1D	100-277VAC	650W	1755μmol/s	2.7μmol/J	Yes	Yes	Yes
DMS-H10-820-A66-A1D	100-277VAC	820W	2214μmol/s	2.7μmol/J	Yes	Yes	Yes

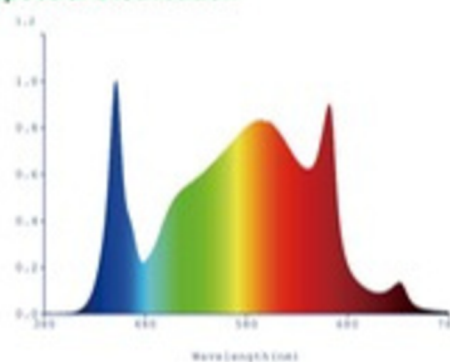
Dimension Drawing



Packing Dimension

650W @1162x245x245mm(45.7"x9.6"x9.6")
 820W @1162x245x310mm(45.7"x9.6"x12.2")

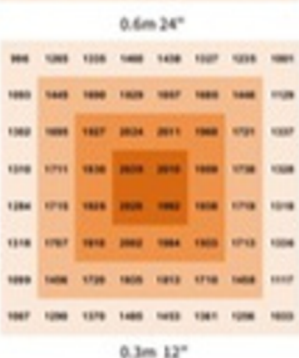
Spectral Distribution



650W PPFD Reading -- 4FT to 4FT area



820W PPFD Reading -- 4FT to 4FT area



DIMMER BOX GROUP CONTROL INSTRUCTION

Instruction

Fixtures could be daisy chain for group control.

1.Definition :

CH1	RJ cable inlet
CH2	RJ cable outlet
DIMMER ON/OFF	Groupdimming ON/OFF
CONNECT ON/OFF	Grouplighting ON/OFF

2. Default setting :

DIMMER:ON CONNECT:ON Dimming: MIN(0%)

3. Function :

3.1 How to turn group ON/OFF

Set all the fixtures “DIMMER” and “CONNECT” on, then the group could be turn ON/OFF by setting one individual fixture to ON/OFF.

3.2How to dim group fixtures

Set all the fixtures “DIMMER” and “CONNECT” on, the fixtures in the group can be dimmed by turning the dimmer dial on the any one of the fixture.

3.3 How to control single fixture

If you need to control any single one of fixture, please set the “DIMMER”on and “CONNECT” off , and then the fixture can be controlled individually.

3.5 Connect external smart dimming device

This product can be controlld by external smart dimming device with RJ11 connector in two steps:

- * Connect the smart dimmer via RJ cable.
- * Set the "DIMMER" OFF and "CONNECT" ON for a desired group of fixture.

4.Method of troubleshooting when problems arise :

4.1Unable to turn on the light

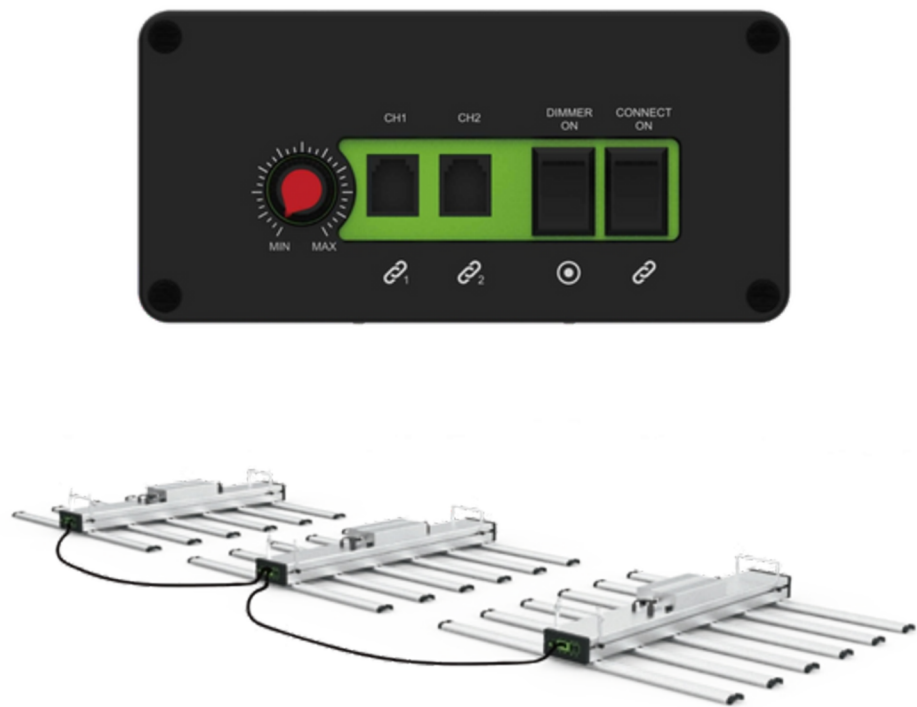
Check all the dimmer dial, make sure they are at 100% position.

4.2 Out of sync

Power on, group control the fixtures, but some one are out of sync. Check the "CONNECT" is set to "ON" on the fixture(s).

4.3Unable dimming

Power on, dim the fixture the fixture fails to dim. Check the "DIMMER" is set to "ON" on the fixture(s).



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Installation & Usage Guide

WARNING AND CAUTION

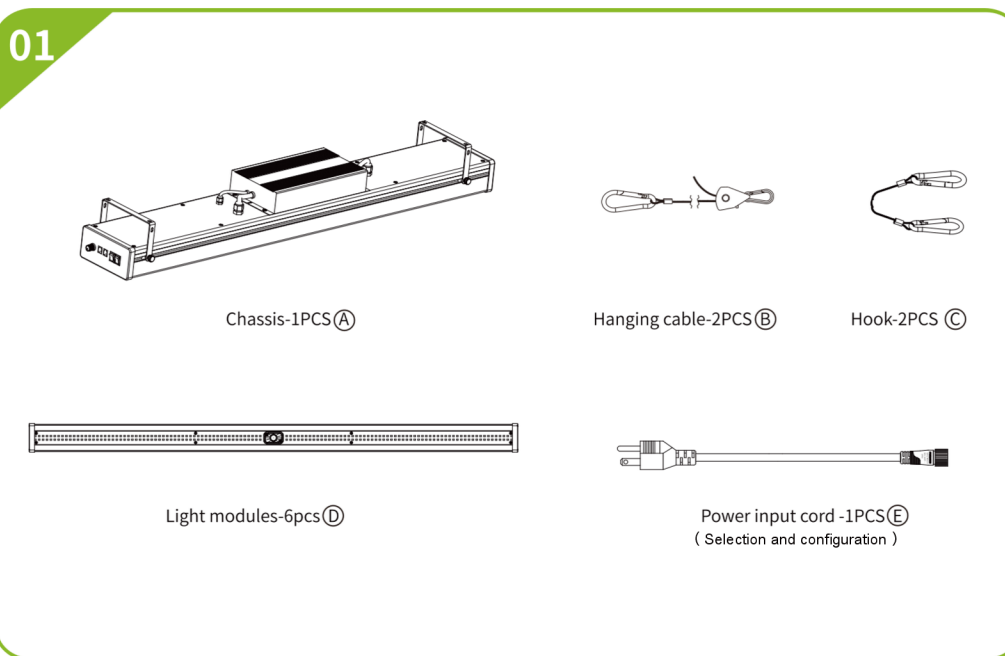
- * Please read the following instructions carefully before using this grow lighting fixture.
- * Make sure main power is switched off before connecting the light fixture.
- * DO NOT connect or disconnect the LED fixture under load.
- * Always allow for a cool down period of at least 30 minutes before touching the LED bars.
- * Please DO NOT use this product outdoors.
- * Connect the cables according to local laws, safety regulations and electrical code.
- * Mounting and installing of the LED fixture may only be performed by certified service person, in accordance with the applicable local laws and regulations.

PLANNING

Read all instructions before installation. Before starting installation of this fixture or removal of a previous fixture, disconnect the power by turning off circuit breaker or by removing the fuse at the fuse box.

Installation method 1: Hoisting

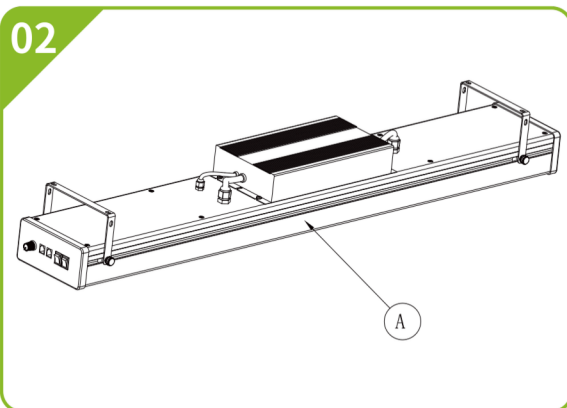
01



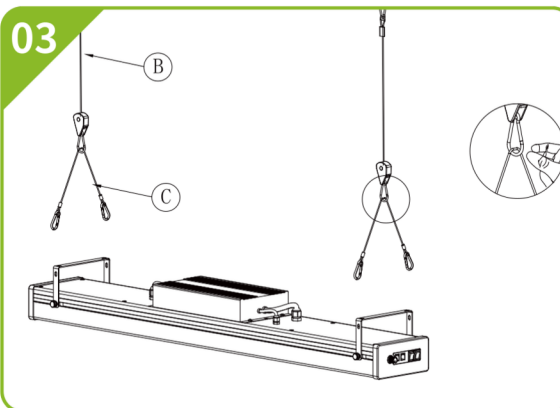
•Take the main part out

THE INSTALLATION

02

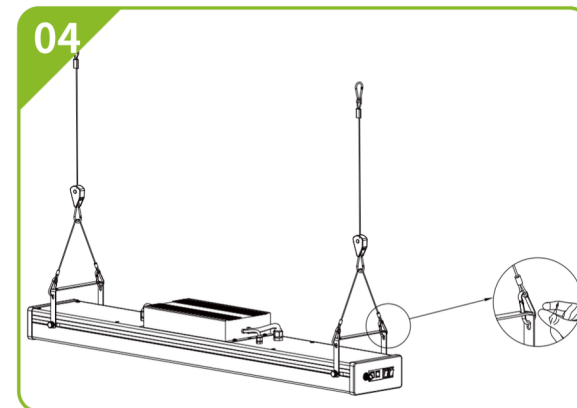


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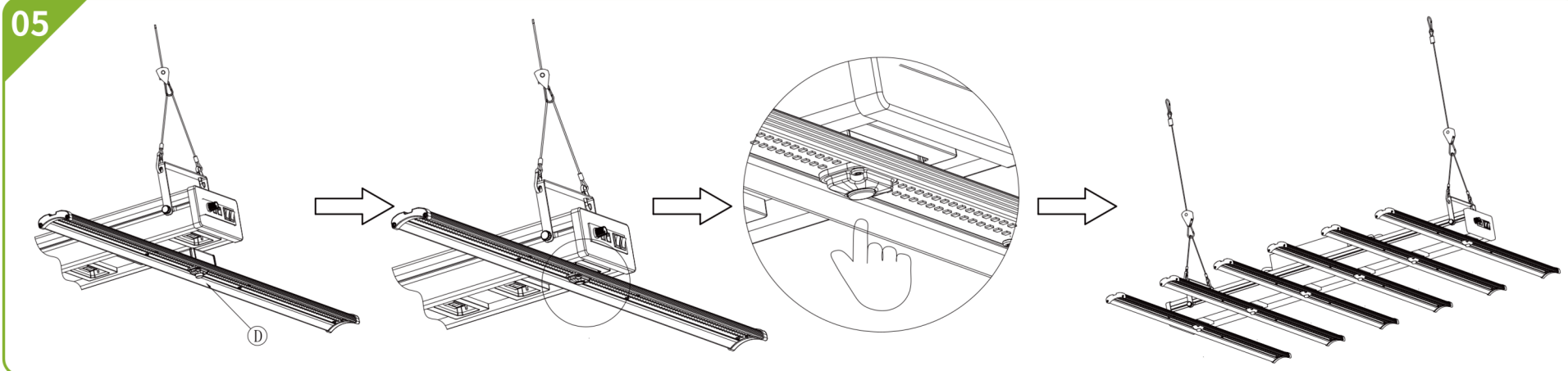


•Hook the main part.

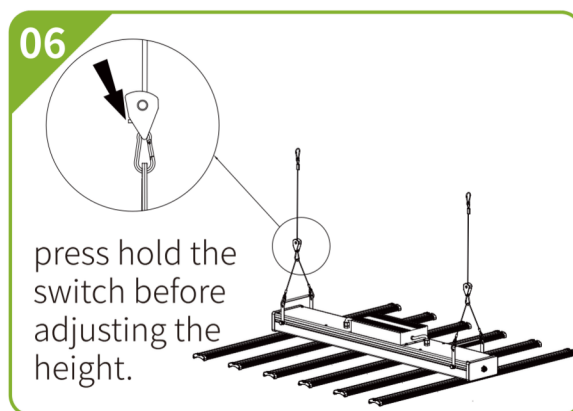
04



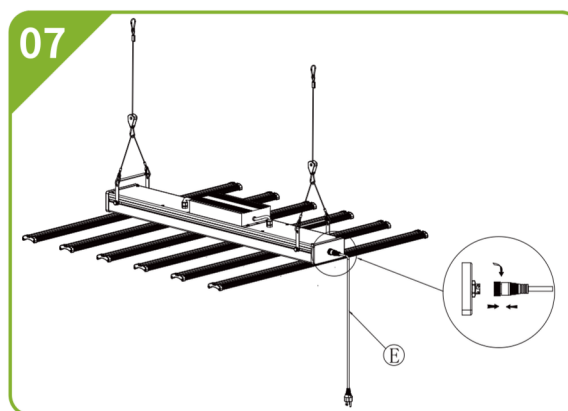
•Hook hanging cable to the chassis.



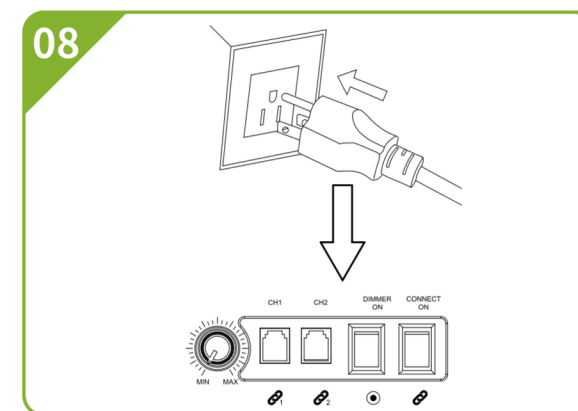
•Attach the light module to the chassis, press the button to lock.(Press again to remove the light module from the chassis.)



•Adjust the height by pull the cable.



•Connect the power cord.



•Plug in the power.
•Dim to the desired light.

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