

User Instructions

GROWING TIPS

The rate of photosynthesis and transpiration are directly affected by temperature, humidity and airflow.

The perfect temperature and humidity for your plants are found between 75°-85°F and 50%-70% humidity, with plenty of airflow to replenish CO₂.

PH is 6-6.5. You may add more micronutrients the plants need than normally need.

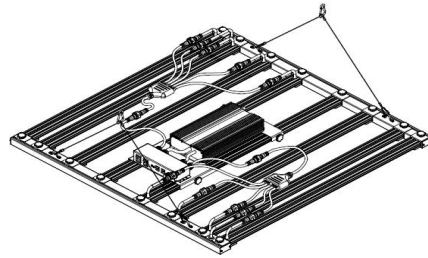
Warranty

The led grow light is guaranteed for a period of 3 years under normal use.

The warranty includes parts for the light board and power supply.

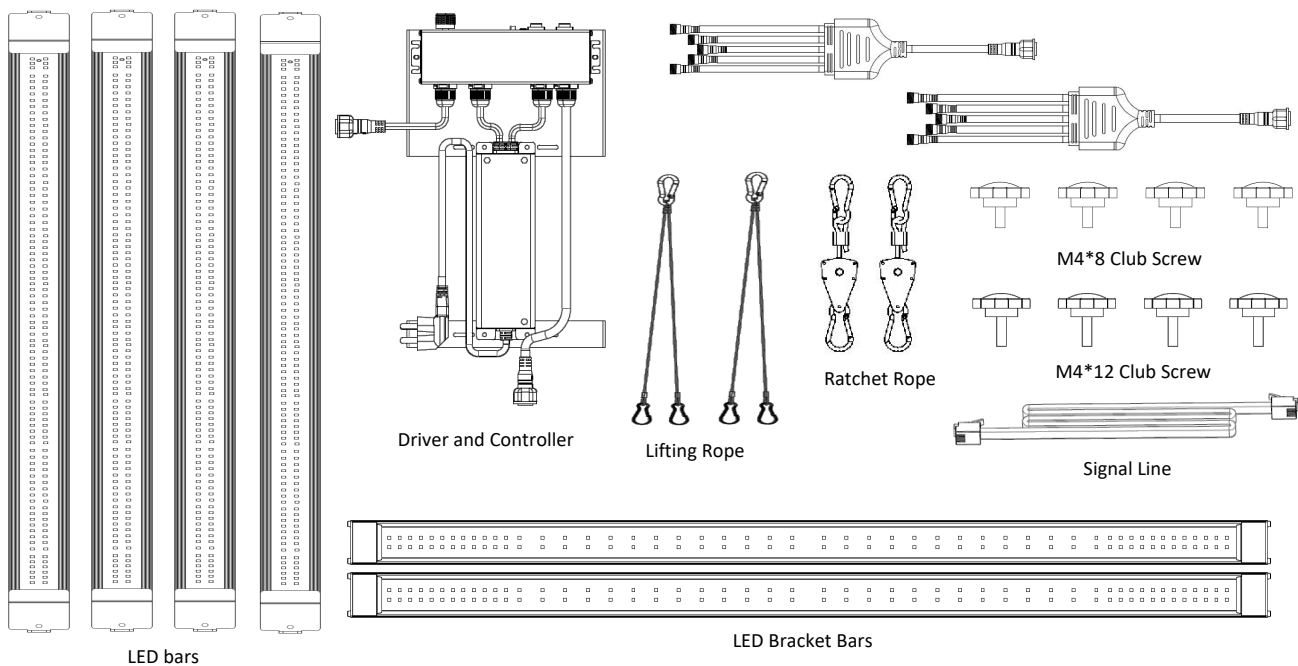
During the warranty period, we will provide free replacement for damaged parts caused by non-artificial reason. If whole fixture needs to be repaired, the customer should pay shipping fee to the repair center or the factory.

YB-C Series Grow light



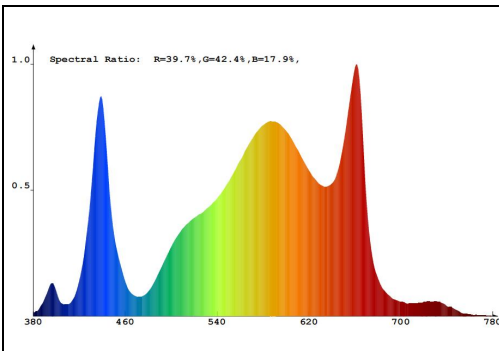
■ 240W ■ 320W ■ 480W ■ 600W
■ 650W ■ 680W ■ 800W ■ 1000W

Accessories



	accessories	YB-C06-240W	YB-C08-320W	YB-C08-480W	YB-C10-600W/ 650W/680W	YB-C10-800W	YB-C12-1000W
1	LED bars	4pcs	6pcs	6pcs	8pcs	8pcs	10pcs
2	LED Bracket Bars	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
3	Driver and Controller	1pcs	1pcs	1pcs	1pcs	1pcs	1pcs
4	Connect cable	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
5	Ratchet Rope	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
6	Lifting Rope	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
7	Signal Line	1pcs	1pcs	1pcs	1pcs	1pcs	1pcs
8	M4*8 Club Screw	8pcs	8pcs	12pcs	16pcs	16pcs	20pcs
9	M4*12 Club Screw	4pcs	4pcs	4pcs	4pcs	4pcs	4pcs

Full Spectrum with UV395nm IR730nm added



The LED series features a perfect blend of both full-spectrum white LED diodes and red LED diodes. This results in the perfect spectrum for all phases of growth. The mix of white and red LEDs result in a relatively high ratio of bluish light. Blue light keeps your crop tight and compact in the vegetative stage and adds to optimal morphogenesis and light uptake by the plant.

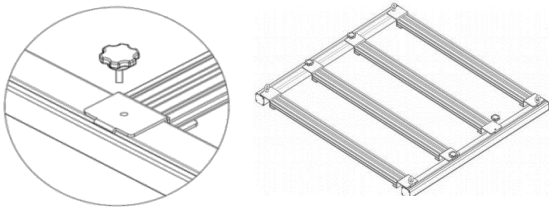
Full-spectrum with UV395nm(purple light)& IR730nm(deep red light) added. IR730nm helps improve stem growth, as well as helps increase the number of flowers and fruits. and UV395 at a certain time can help to increase the THC and CBD, making the plants resistant to pathogens and pests. UV IR need to be turned on at flowering stage.

240W(4+2bar) PPFD Map test in 900×900mm grow tent

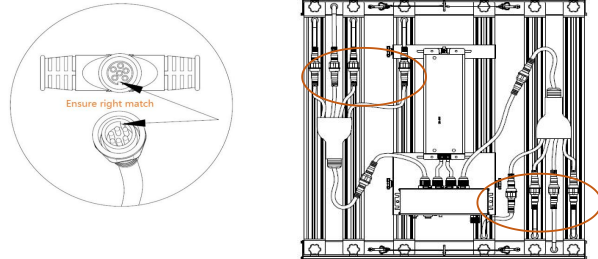
Height:12" (30cm)	730.40	745.6	799.56	742.3	723.38
	775.91	852.9	896.45	841.97	786.91
	815.6	891.08	933.2	883.69	836.87
	801.6	882.04	907.5	857.9	792.65
	745.93	790.4	813.06	759.92	742.27
Height:18" (46cm)	632.56	682.9	710.32	682.36	623.15
	676.92	725.98	750.8	738.74	675.38
	657.4	736.5	773.4	759.79	692.1
	656.8	723.69	768.1	729	668.41
	639.6	689.53	692.2	688.52	600.85
Height:24" (60cm)	592.42	620.24	648.2	618.56	578.64
	598.76	640.25	662.35	635.27	587.26
	612.56	648.2	687.24	658.96	609.84
	598.32	635.81	652.38	641.60	596.34
	575.23	624.86	620.45	625.3	569.4

Installations

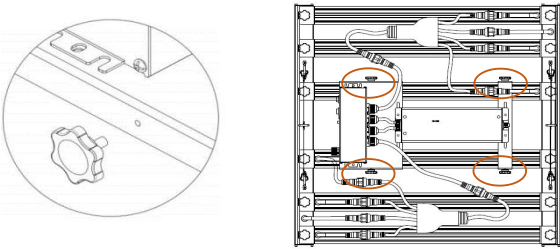
(1) Install M4*8 screw, tighten the LED bars



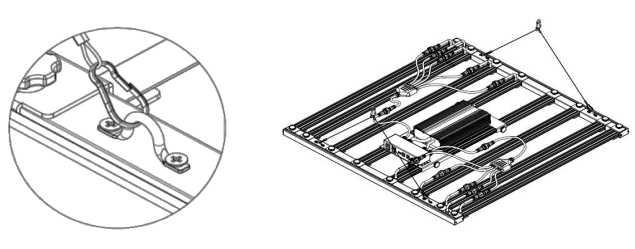
(3) Align bayonet, connect cable connector, and tighten the nut



(2) Lock the M4*12 screw, tighten the bracket for driver

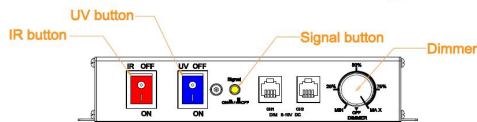


(4) Install the lifting ropes



Instructions for dimmers

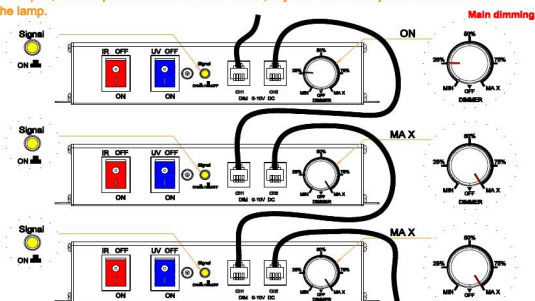
Dimmer box function introduction diagram



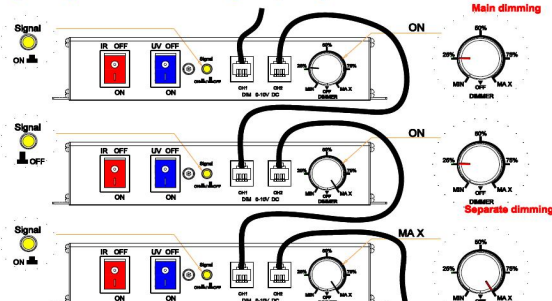
UV button: Control the UV diodes ON / OFF
IR button: Control the IR diodes ON / OFF
Signal button: Control the input and output of dimming signals
The dimmer switch: Adjust the brightness from 0 to 100%

Here are 2 kinds of use in series :

1. One control multiple: (The main lamp's dimmer control all ; Keep all the lamps' signal (Yellow button) on, and keep other's dimmer MAX 100%, adjust the main lamp's dimmer to control all the lamp.



2. One control multiple with separate control : (The main lamp's dimmer control all , but some of them can be adjusted in separated) In series use , when you need to control some of them in separated , you need to turn the one's signal off , and adjust its dimmer to control.



ATTENTIONS

- . Use the high quality socket, lamp will not work properly with bad connection.
- . Verify that the supply voltage is correct by referring to the information on the specification label.
- . Do not change any open holes in an enclosure of wiring or electrical components during the kit installation.
- . Turn off the power and unplug the fixture when you perform any maintenance.
- . Don't look at light source directly with naked eyes.
- . Don't touch the surface of the lamp with power on.
- . Avoid hitting, bending or causing mechanical stress to the fixture.
- . Don't cover or block any part of the fixture during operation.
- . To ensure the optimal performance, the heat sink may require periodic cleaning
- . Clean with compressed air or damp lint free cloth
- . 12" Clearance must be maintained from any combustible surface.
- . Always providing a well ventilated environment where the ambient temperatures do not exceed 40°C (104 °F) regardless of whether the fixtures are in operation or off.
- . Excessive temperatures can inhibit performance and may cause damage or shorten the lifespan of the fixtures that will also void the warranty.
- . When calculating the cooling needs for your greenhouse, take BTU load generated by LED fixtures into consideration.
- . Please insure installing the light in a place can load 10 times weight.
- . In case of affect the lifespan, please avoid to install the light in a save place which contain any heat source, hot steam or corrosive gas.
- . This LED fixture is intended for indoor or greenhouse use.