

# 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 CO<sub>2</sub>.

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

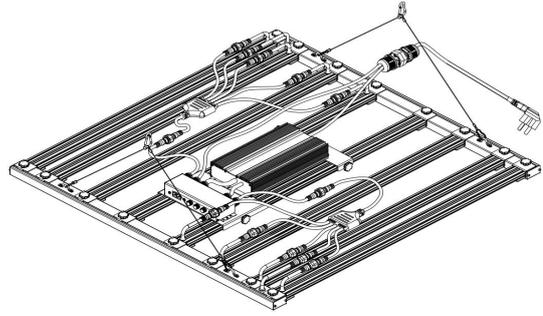
## Warranty

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.

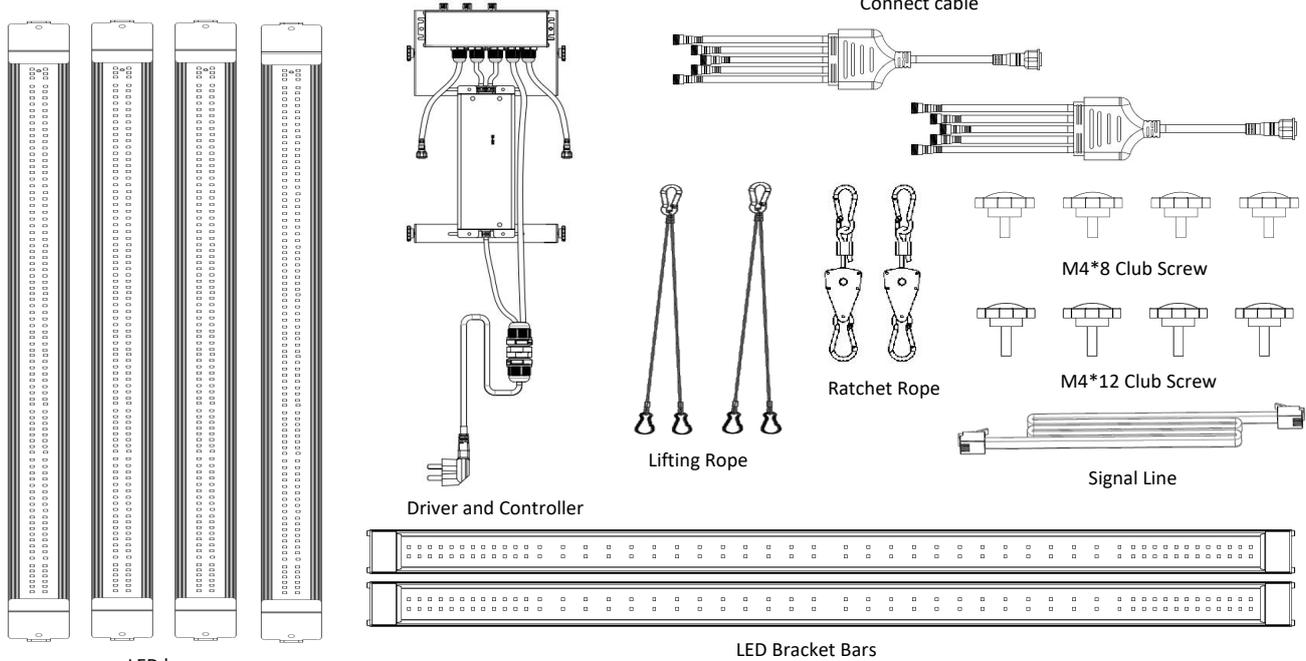
During the warranty period, we will provide free replacement for damaged parts caused by non-artificial reason. If whole fixture needs to be repaired, the customer should pay shipping fee to the repair center or the factory.

## YB-C Series Grow light



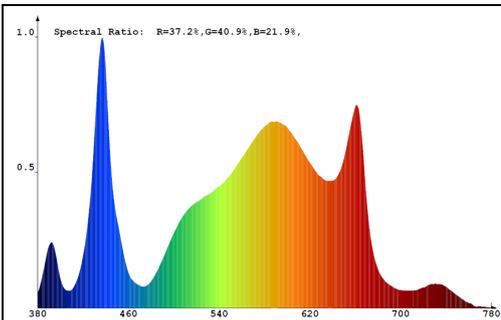
- 240W
- 320W
- 480W
- 600W
- 650W
- 680W
- 800W
- 1000W

## 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	1pc	1pc	1pc	1pc	1pc	1pc
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	1pc	1pc	1pc	1pc	1pc	1pc
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(far-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.

**700W(8+2bar) LM301H EVO PPFD Map Product size: 1100\*1100mm test in 1200x1200mm grow tent**

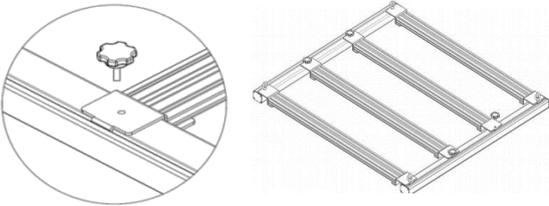
Height:12" (30cm)	984.9	1074.1	1036.8	1024.4	851.5
	1104.1	1166.8	1130.4	1059.6	1025.5
	1017.5	1107.5	1141.5	1094.3	1025.1
	1005.8	1084.1	1121.8	1116.2	1045.1
	847.95	993.08	1033.3	1037.3	912.31

Height:18" (46cm)	893.1	954.34	898.48	866.92	750.9
	959.6	1029.1	1017.3	963.09	880.0
	933.4	1024.8	1032.8	999.61	896.7
	889.97	982.22	1019.4	1008.5	887.12
	767.14	893.73	926.62	899.07	808.96

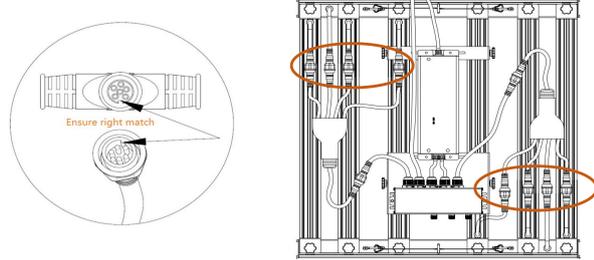
Height:24" (60cm)	781.27	839.48	819.73	793.49	715.21
	872.14	941.51	939.22	898.68	814.43
	833.72	932.83	956.97	921.81	823.56
	803.31	904.48	939.52	917.69	810.63
	708.64	816.34	856.45	832.98	748.88

**Installations**

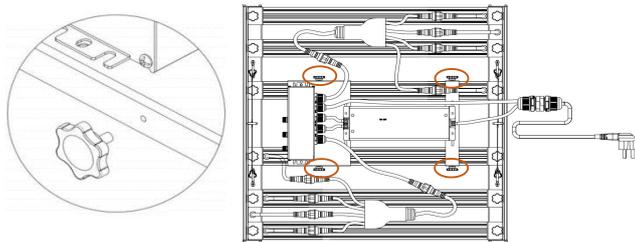
(1) Install M4\*8 screw, tighten the LED bars



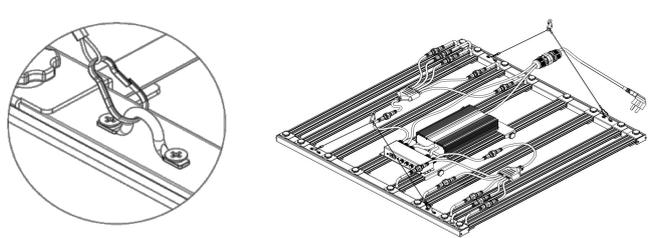
(3) Align bayonet, connect cable connector, and tighten the nut



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

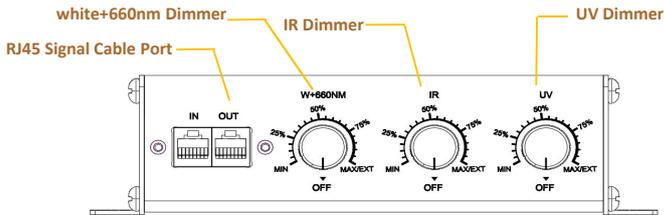


(4) Install the lifting ropes



**Instructions for dimmers**

**Dimmer box function introduction diagram**

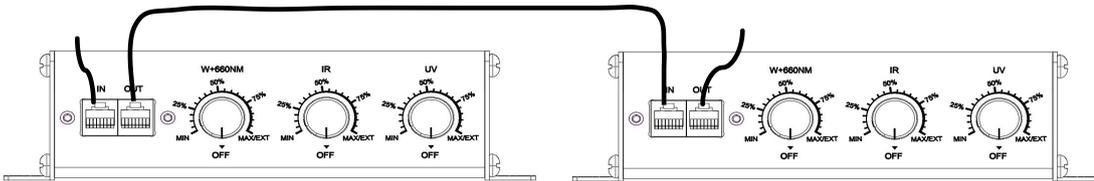


**White+660nm Dimmer:** Control dimming of white light+660nm diodes  
**IR Dimmer:** Control dimming for IR diodes  
**UV Dimmer:** Control dimming for UV diodes  
**Signal Cable port:** to connect the RJ45 cable, group dimming for lamps

**Daisy Chain Connection**

--Central control the dimming when multiple lamps connected with RJ45 signal cable

- (1) 0-10V dimming for White+660nm Diodes
- (2) 0-10V dimming for IR730nm Diodes
- (3) 0-10V dimming for UV395nm Diodes



**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 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.