

Description: RX-GW78-120Z-2H Dual-channel plant grow array lights, Designed for medicinal plant growth, CHA vegetative growth, CHA and CHB for Flowering and maturity, The channel A PPF is up to **700**µmol/m²/s, suitable for vegetative growth of medicinal plants, the light efficiency is up to **2.4**µmol/J, and the channel B is specially set with far red lamp beads for inducing flowering. The two channels are simultaneously opened, and the PPF can be provided up to **1200**µmol/m²/s rapid growth of medical plants



1. Plant grow LED Lights for vegetative growth and flowering of medicinal plants
2. Unique lens structure - high efficiency concentrating, uniform spectral radiation, directional illumination, higher light utilization, PPF increased by 10~30%, 600W equivalent to 700W
3. Channel A, extra red 660nm, spectrum suitable for vegetative growth
4. Channel B, additional dark red 660nm, far red 730nm, dedicated to flowering maturity
5. Waterproof design, waterproof rating IP65
6. Input voltage: 100-305V, Power: 600W
7. New design, patented products
8. CE RoHS FCC

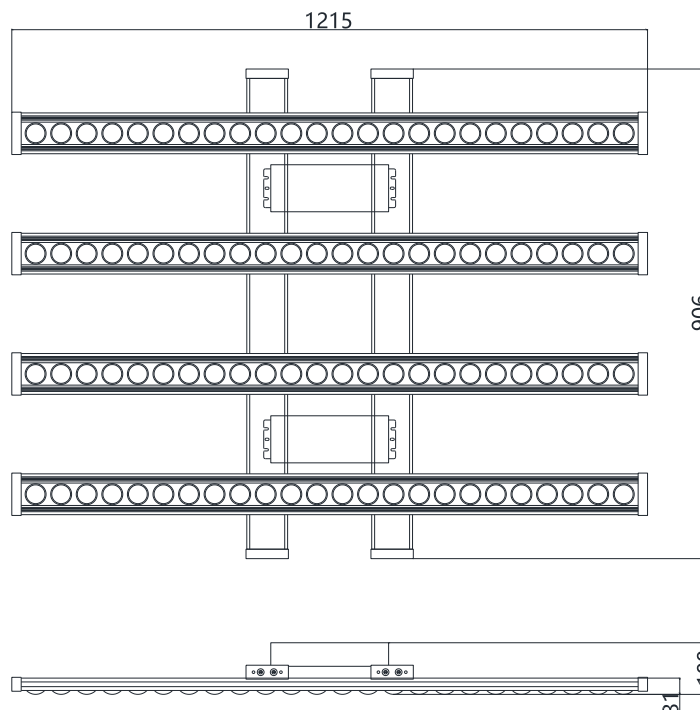
Model	Dimension LxWxH	Spectral Wavelength	Photon PPF µmol/m ² /s	Luminous flux Radiation Power	Power Input	Comment
RX-GW78-120Z-2H	120x120x11cm 48" x48" x4.3"	CHA	797µmol @0.2m 50859Lx	Flux 53300Lm PPF: 824µmol/s	345W AC230V	2.4µmol/J vegetative stage
			783µmol @0.3m 49784Lx			
			642µmol @0.5m 40939Lx			
		CHB	500µmol @0.2m 33104Lx	Flux 30000Lm PPF: 520µmol/s	245W AC230V	2.1µmol/J flowering
			461µmol @0.3m 30076Lx			
			412µmol @0.5m 27015Lx			
		CHA+CHB	1316µmol @0.2m 84855Lx	Flux 83500Lm PPF: 1300µmol/s	588W AC230V	2.3µmol/J flowering stage
			1240µmol @0.3m 79814Lx			
			1068µmol @0.5m 68831Lx			

Surface temperature rise Tc 25°K, Operating temperature:-30°C~40°C,Lifespan: 50,000 hours (Note: Ta 25°C)

Tolerance range for optical and electrical data: ± 10%. Beam angle 90° ,Recommended irradiation distance:0.15~0.3m, illumination area 1x1.2m.

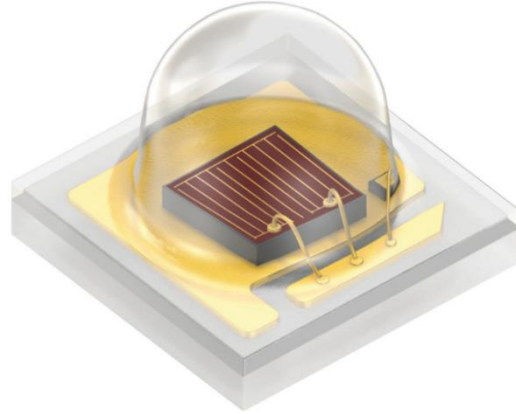
The above data is for reference only!

Dimension:



UNIT: mm

- High efficiency and energy saving, Samsung LM301b led chip, add German brand 730nm



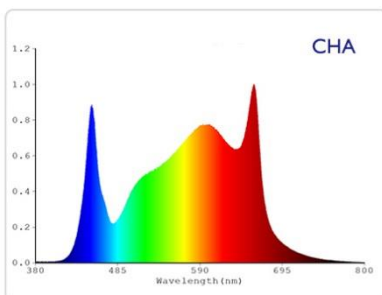
- Different LED chips in one lens, Spectral radiation uniform, Lens + Reflector cup, Concentrating radiation, Higher light utilization, energy saving 10-50%



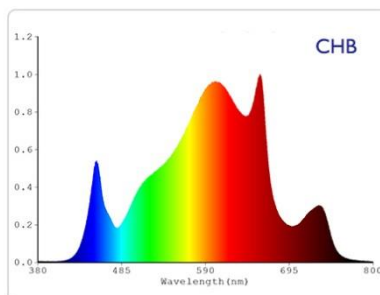
Different LED in one lens More uniform Light



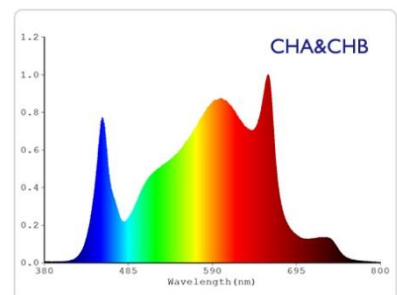
Concentrating Light efficiently higher light utilization efficiency



Vegetative growth

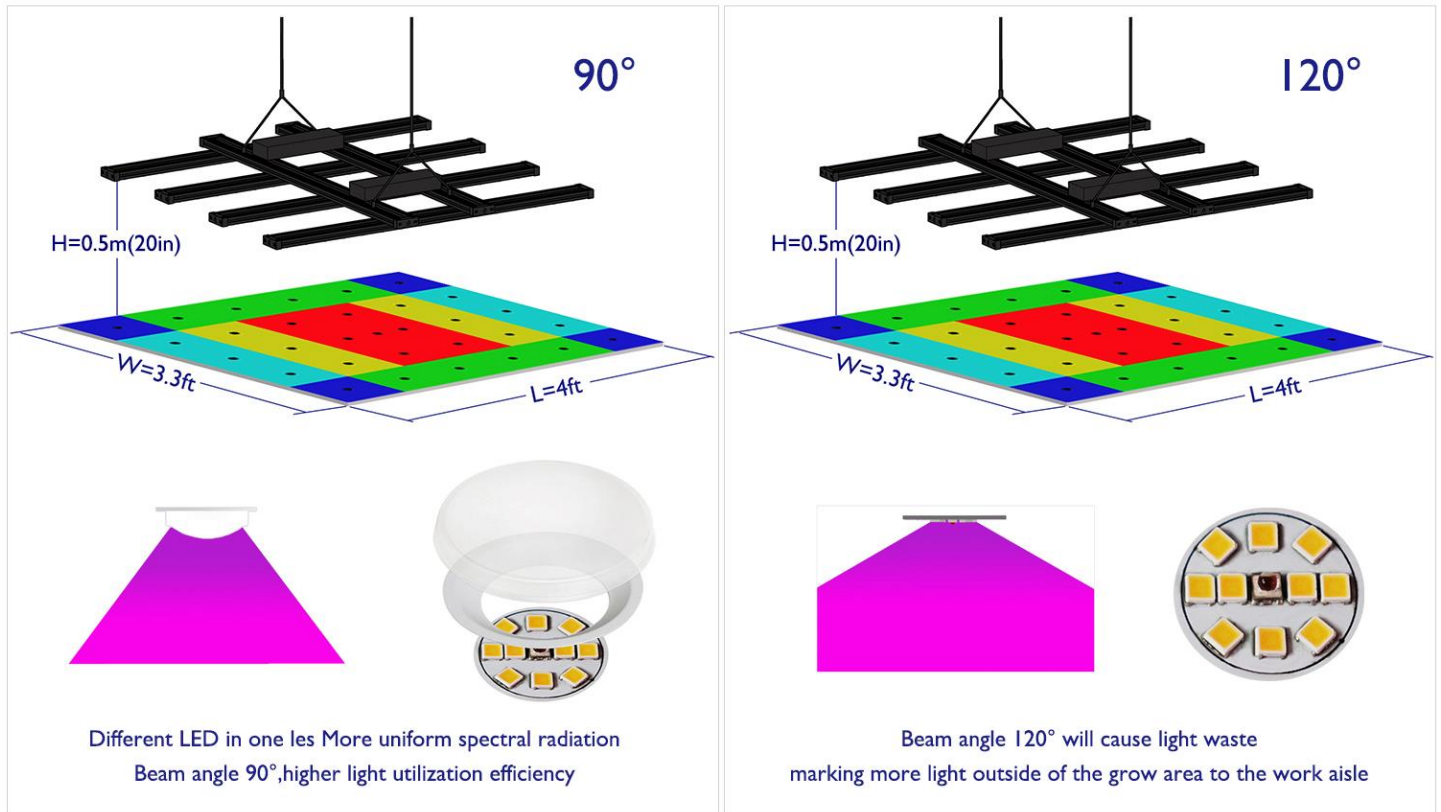


flowering



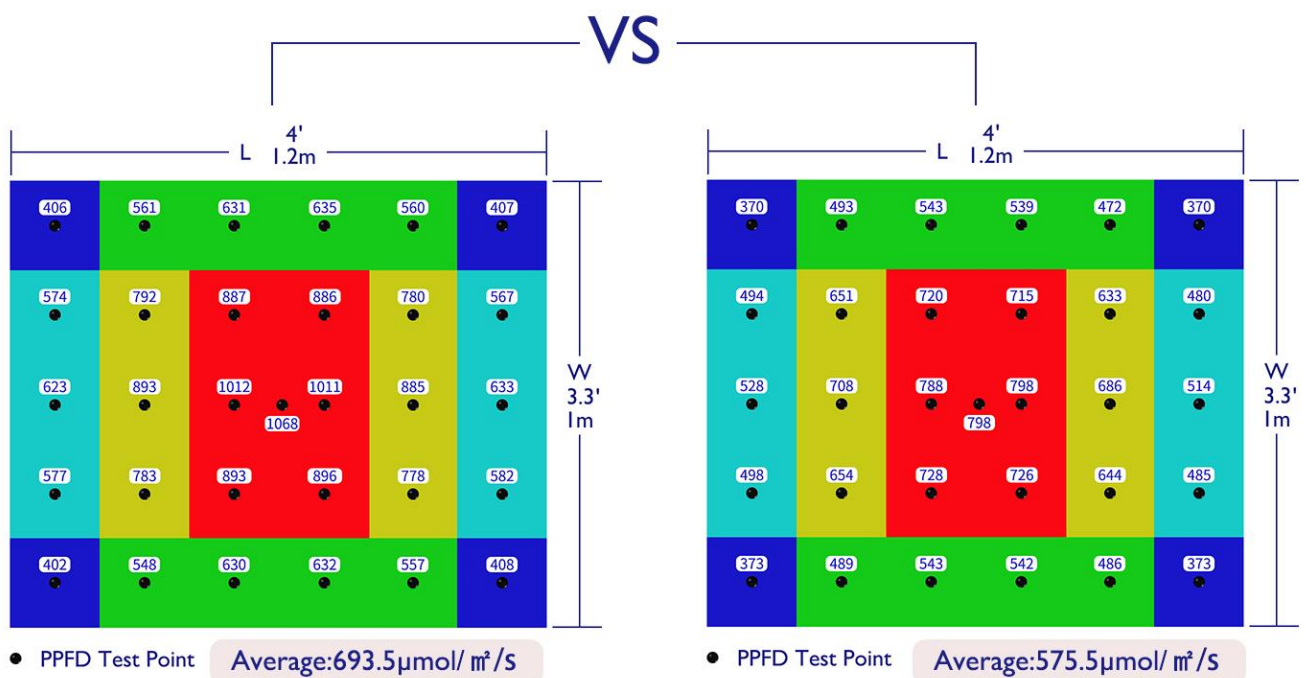
flowering stage

- Comparative test, test height 0.5M, cover area 1.2x1m; Koray lens reflector cup structure plant grow lamp, PPFD average, compared with of no reflector lens LED grow light, PPFD increase 17%

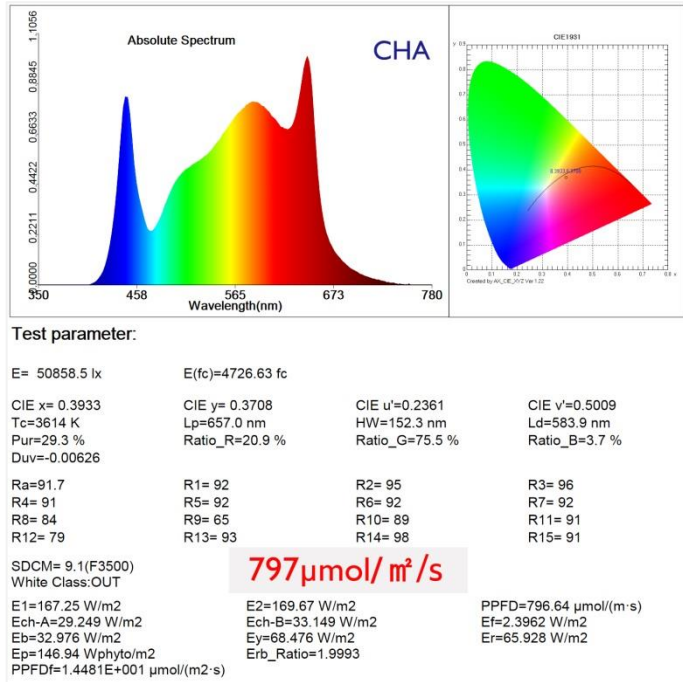


PPFD increase by 17%

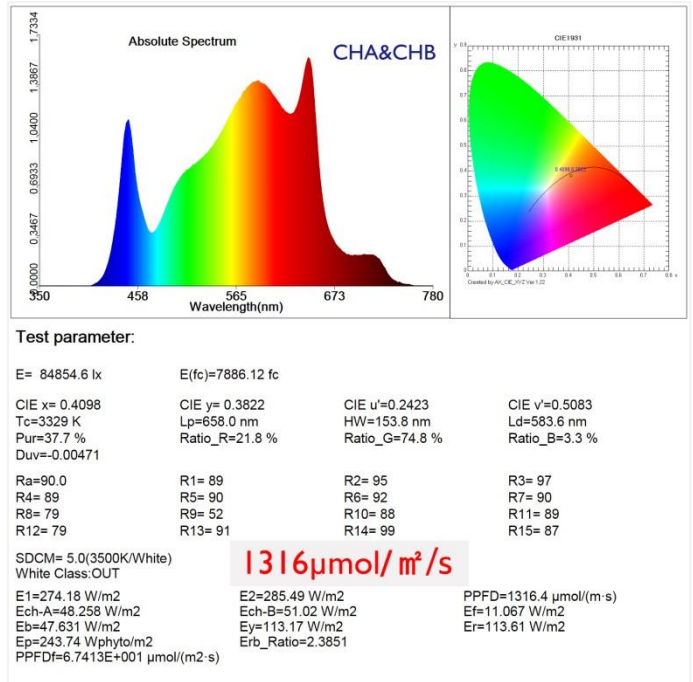
3 Point Test PPFD @0.5m



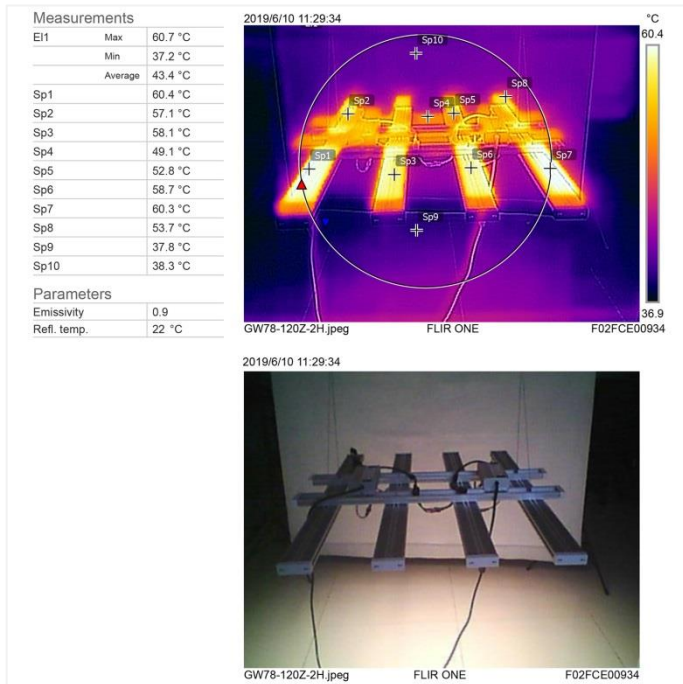
● Testing report



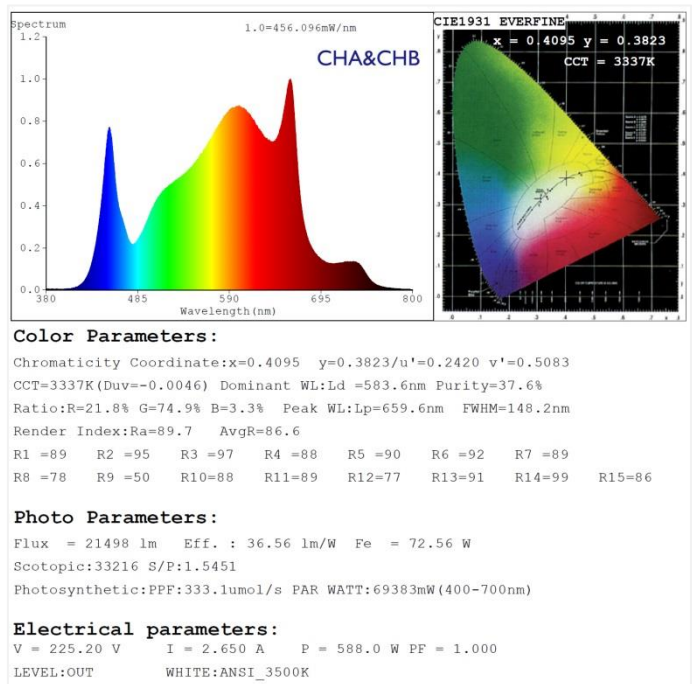
RX-GW78-120Z-2H-CHA 345W PPFD Test 0.2m



RX-GW78-120Z-2H-CHA&CHB 588W PPFD Test 0.2m



RX-GW78-120Z-2H Surface Temperature Test



RX-GW78-120Z-2H-CHA&CHB PPF output Test

- Just add WIFI socket, you can realize timed switching power supply to achieve intelligent control



Please contact koray!