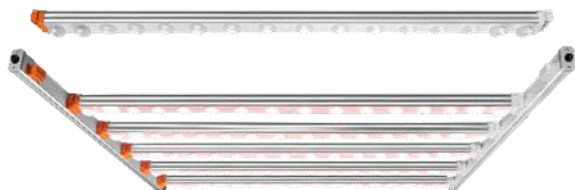
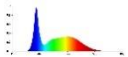
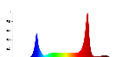


Description: G50 Adjustable Spectrum Uniform Light Grow Light, 4x4feet large size quick plug installation Vertical agriculture commercial horticulture cultivation, Adjustable spectrum, adjust the ideal spectrum according to your planting goals, full spectrum low green light (20%) , higher photosynthetic efficiency, super orange & red and FR/IR light (63%), far exceeding similar products, fast growing crops and increasing plant yield and quality, welcome to compare and test with any competitor.



1. Indoor shelf cultivation, commercial planting of medicinal plants, coverage area 1.2x1.2m. For High-Day Light Integral (DLI) crops
2. The best PPFD map, compared with famous brands, Same power consumption, PPFD is increased by 12-34%
3. High uniform illumination, no central hot spot, 8"/0.2m irradiation at close range, will not burn plants.
4. Adjustable spectrum plant grow light, more blue light in the vegetative growth period, and more red light in the flowering period. low green light spectrum, higher photosynthetic efficiency, improve yield and quality.
5. SKD packaging saves transportation costs, quick-plug interface, easy to install. No bulky external power supply, saving installation space!
6. Power: 660W/AC120V~277V
7. CE RoHS FCC

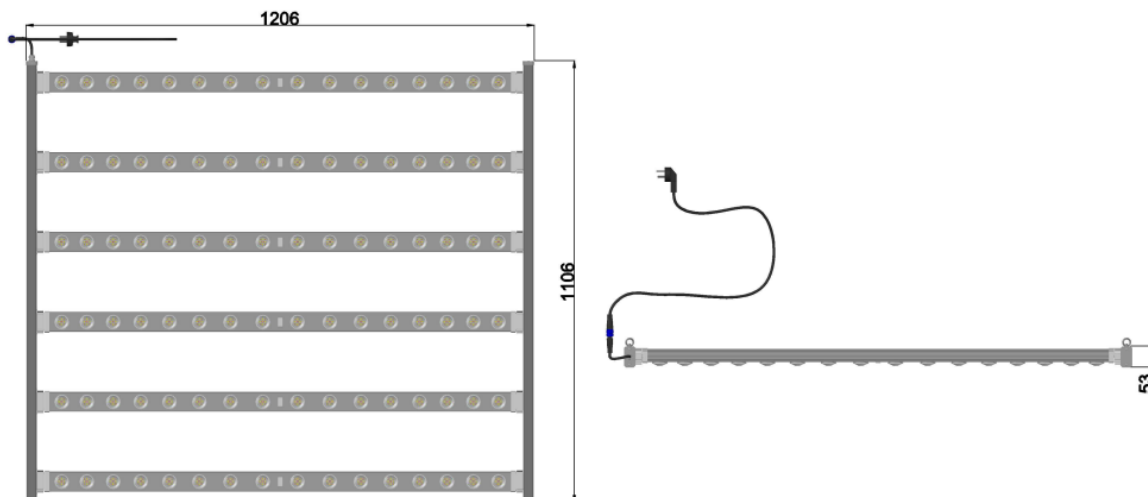
Model	Dimension LxWxH	Spectral Wavelength	Avg PPFD μmol/m²/s	PPF	Power Input AC120-277V	Comment
G50-660W	1206x1106x53mm 47.5"*43.5"*2.1"	CH1	568μmol @0.2m	920μmol/s	348W/AC230V	Seedlings and Vegetative Growth
			465μmol @0.3m			
		CH2	652μmol @0.2m	1000μmol/s	312W/AC230V	Promote Flowering
			535μmol @0.3m			
		U193	1220μmol @0.2m	1920μmol/s	660W/AC230V	Scion and fruiting period
			1000μmol @0.3m			

Operating temperature:-10°C~40°C,Lifespan:50,000 hours (Note:Ta 25°C)

Tolerance range for optical and electrical data: ±10%.

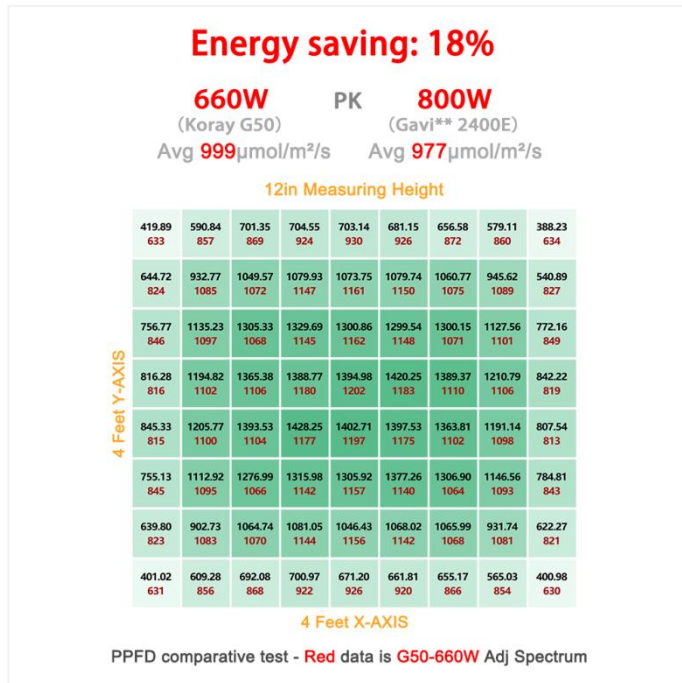
The PPFD is dark room no reflection test, The above data is for reference only!

Dimension:

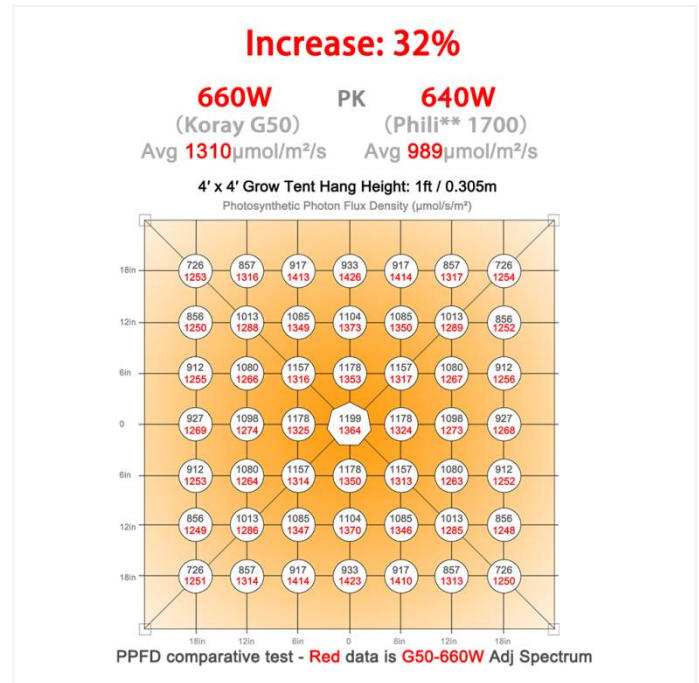


Unit: mm

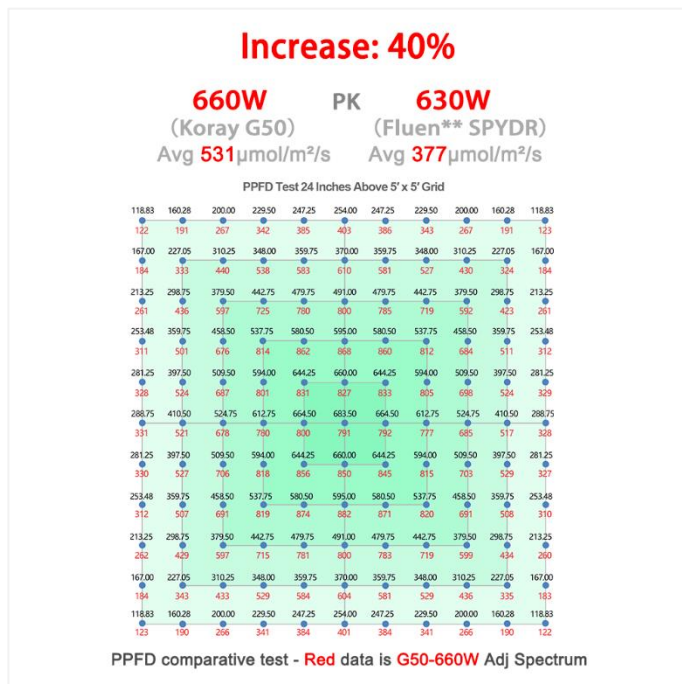
Best PPFD map, compared with famous brands, Same power consumption, Avg PPFD is increased by 12-34%



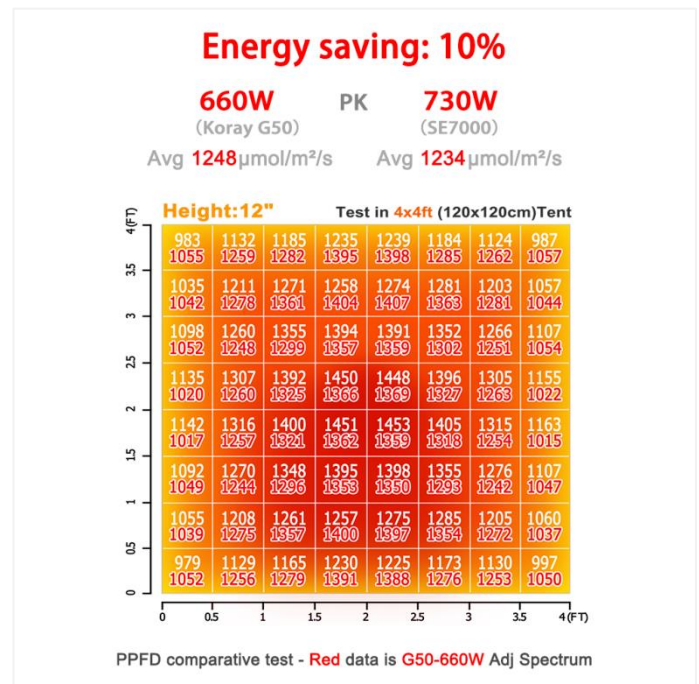
Compared to Gavi** 800W, Saves energy 18%



Compared to Philip ** 640W, Avg PPFD increases by 32%



Compared to Fluen** 630W, Avg PPFD increases by 40%



Compared to SF 730W, Saves energy 10%

Welcome to compare and test all brands

Indoor shelf cultivation, commercial planting of medicinal plants, coverage area 1.2x1.2m. For High-Day Light Integral (DLI) crops

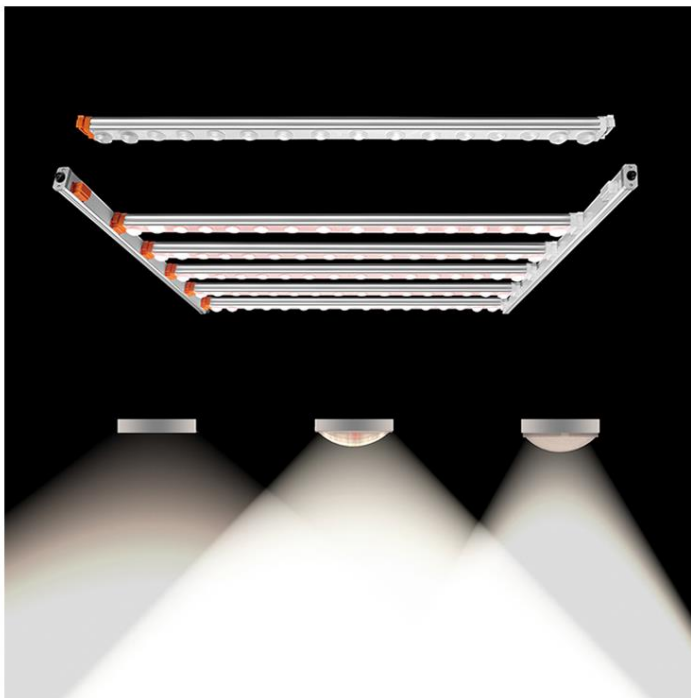
Even light, no hot spots, even plant growth, close-up irradiation, less light loss, energy saving.

World's Best light Uniformity

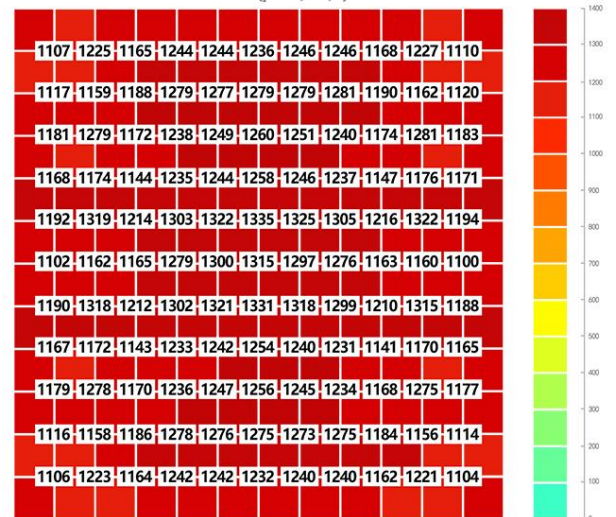
Leading other brands welcome to compare and test with all competitors

U0>90%

U1>80%



4' x 4' (1.2x1.2m) Dark Room No Reflection H:8in/0.2m
PPFD Test (μmol/m²/s)



G50-660W U193 Adj spectrum Grow Light

Avg PPFD 1221μmol/m²/s

U0=0.90 U1=0.82

U0=Emin/Eav U1=Emin/Emax

High uniformity No central hot spot, No burns plants, Better growth & higher yields

Koray Secondary optics Improve PPFD & uniformity

Note:

No matter how high the quantum flux efficiency of photosynthesis is, it is only effective when it is converted into PPFD of plant canopy light, and light that cannot reach the plant surface will be wasted!

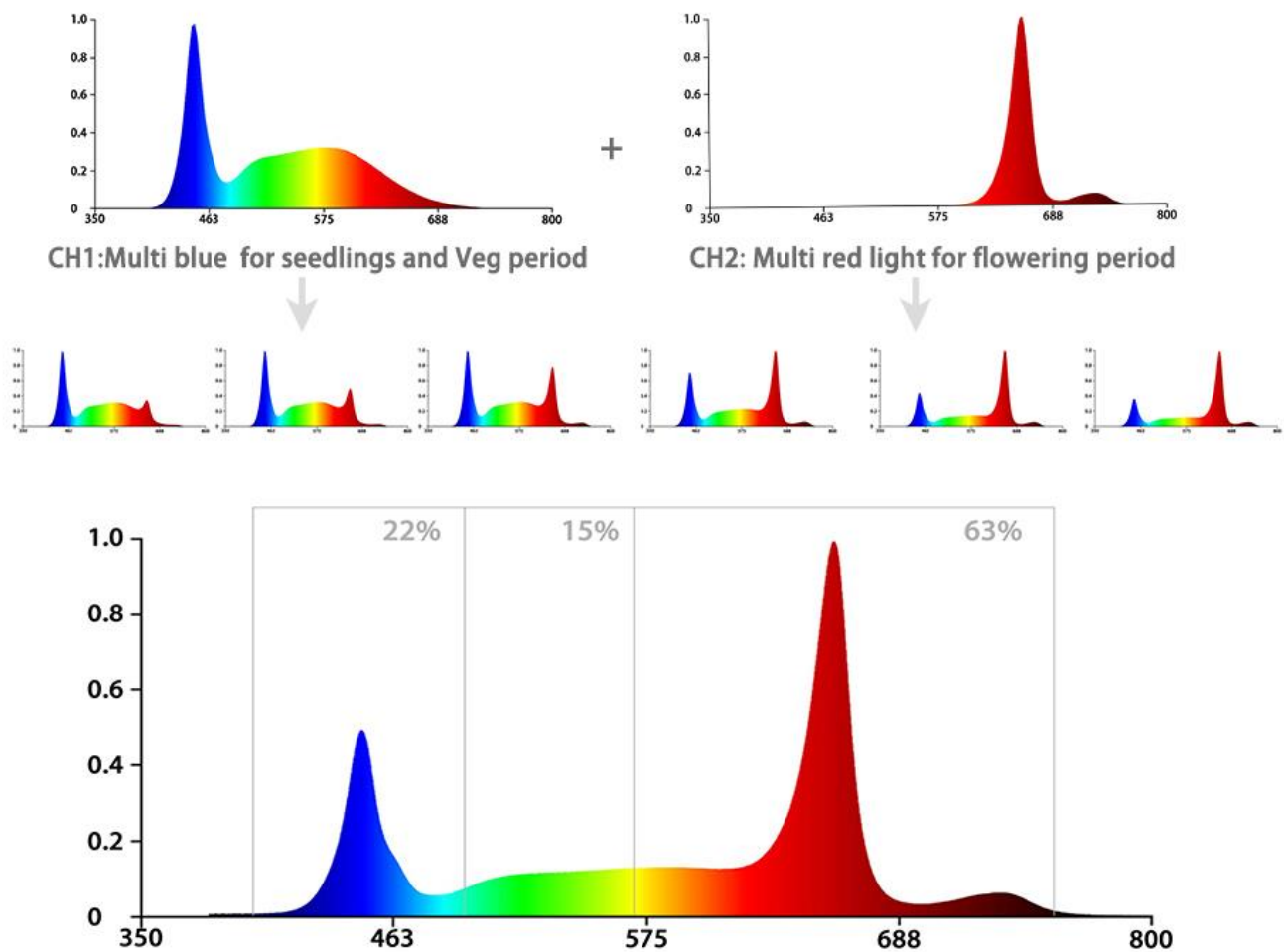
Test Quantum meter: Apogee MQ-610

High uniform illumination, U0 >90%, U1 >80%, no central hot spot, 8"/0.2m irradiation at close range, will not burn plants. Save cultivation space and increase planting density

Adjustable spectrum, the ratio of blue light and red light can be adjusted as needed, low green light design, higher photosynthetic efficiency, better light absorption rate of plants, and faster growth.

Full power output multi-red light and far-red light, promote civilization and dry matter growth, improve yield

Adj Spectrum Grow Light



U193=CH1+CH2 Full Spectrum

Low green light spectrum (495-570nm:<20%)

High orange red far red and infrared light (570nm-750nm:>60%) multi red light far surpasses similar products, with higher photosynthetic efficiency and rapid growth of plants, improving crop yield and quality

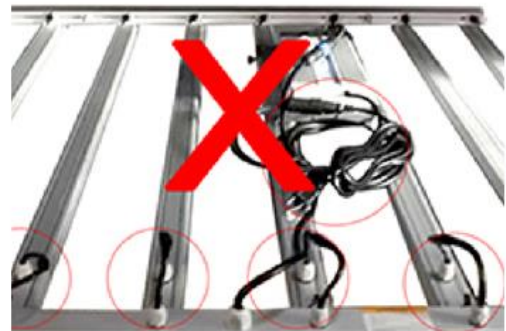
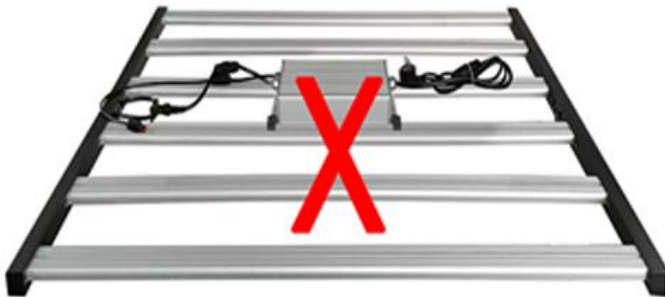
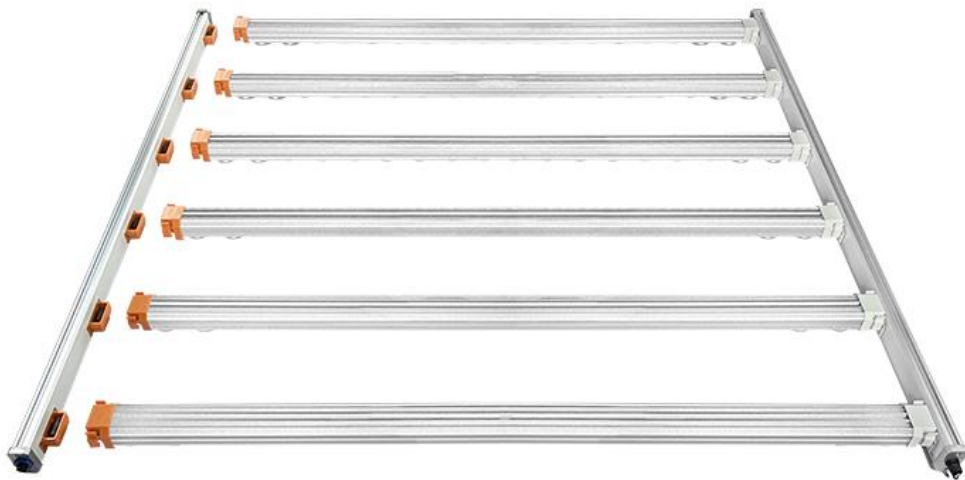
Full-power U193 full-spectrum, low green light (495nm~570nm <20%), high orange & red & far red(IR) light (570nm~750nm >60%), far exceeding similar products, with higher photosynthetic efficiency and rapid growth crops, increasing plant yield and quality.

It is well known that photosynthesis is mainly blue and red light, and the photosynthetic absorption rate of green light is very low, although some studies have shown that green light is beneficial to the deep photosynthesis inside the plant canopy.

Built in power supply, no bulky external power supply, no complicated connecting wires, the maximum thickness of the entire lamp is less than 55mm, saving installation space.

Simplicity and Reliability

Max thickness 55mm Saving Installation Space

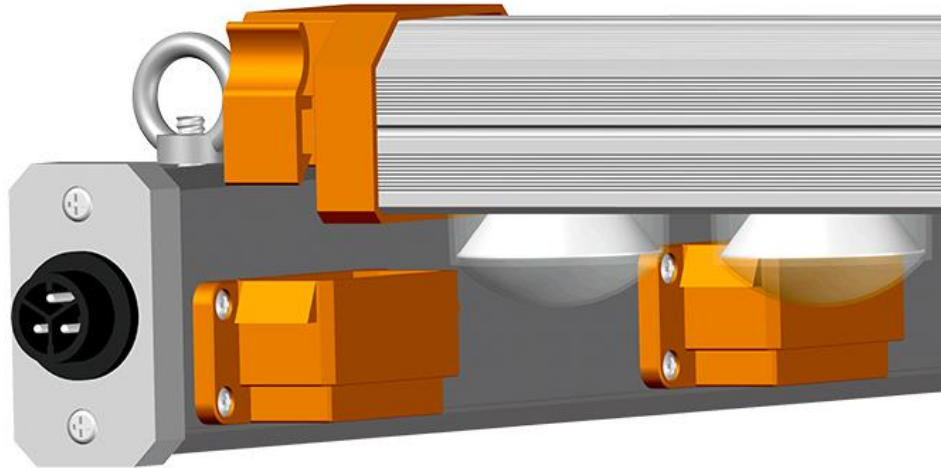


No bulky power supply No External Cable

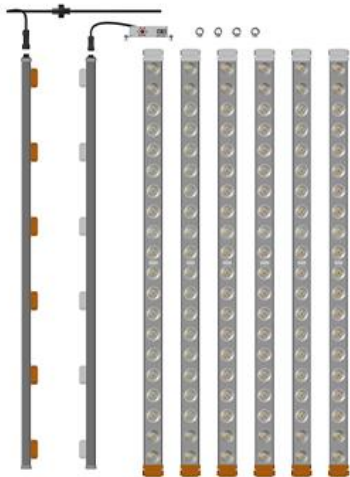
SKD packaging saves transportation costs, quick-plug interface, easy to install.

Can be replaced in one bars, easy to maintain.

Quick Installation Array Plant Grow Lights

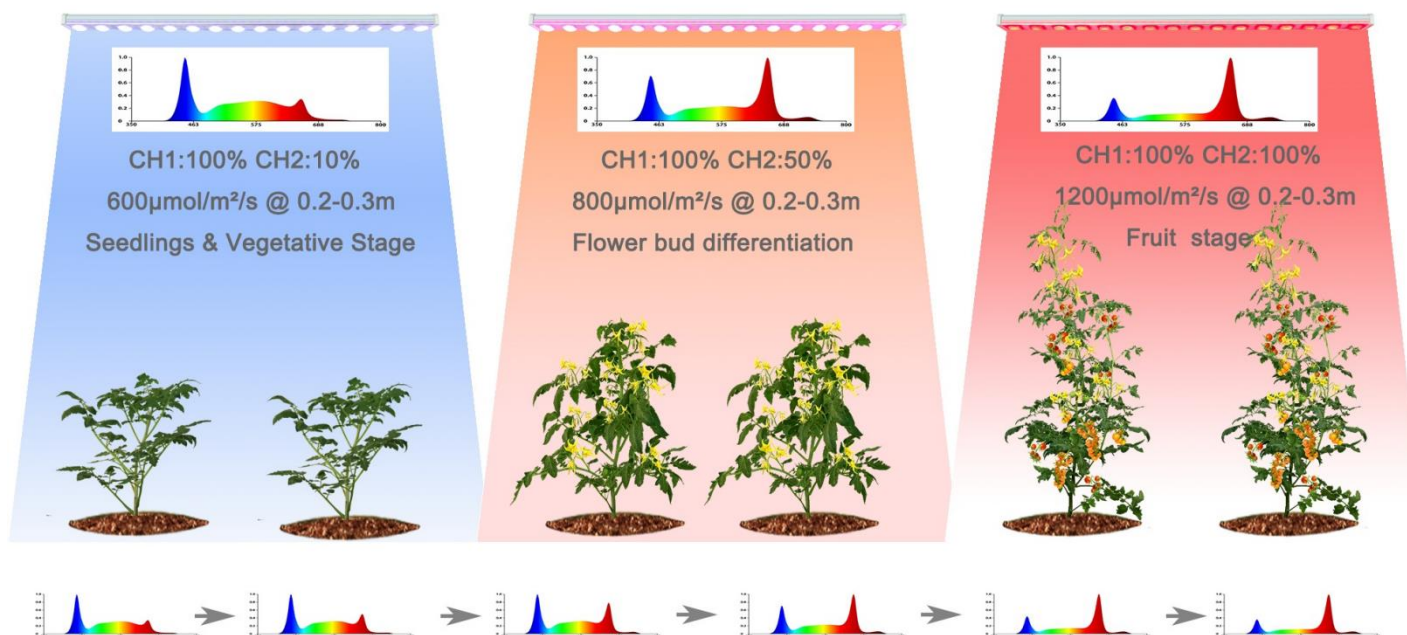


Detachable packaging
Save Transportation Costs



Planting techniques for cannabis and flowering crops

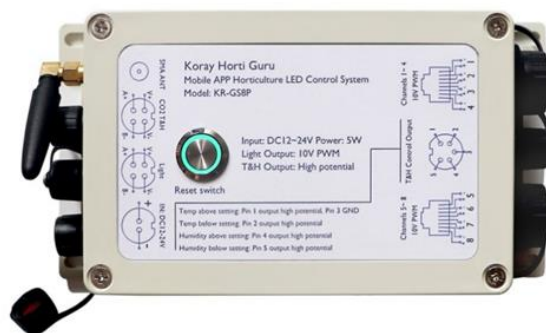
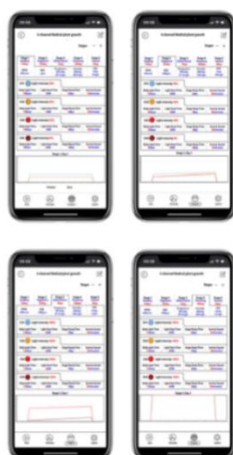
|| Tips for Indoor Tomatoes and Medicinal Plants with G50 Adj Spectrum Grow Light



Dual-channel adjustable spectrum plant growth light, more blue light in the vegetative growth period, and more red light in the flowering and scion period.

According to different crops, different growth stages of plants, and different planting purposes, different spectrums can be adjusted to meet the optimal growth of plants.

Compatible with Horti Guru APP control system

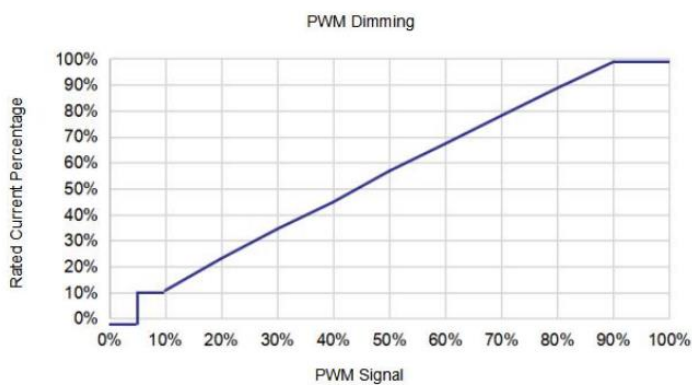
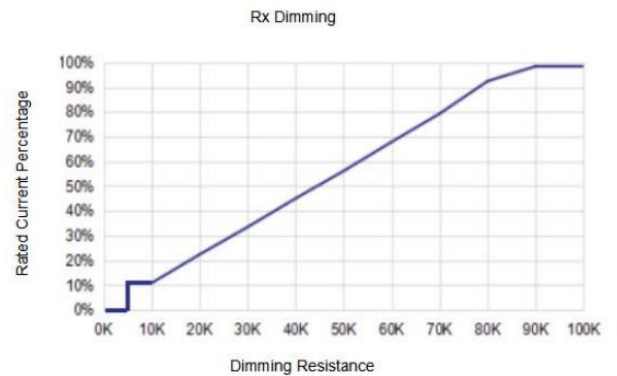
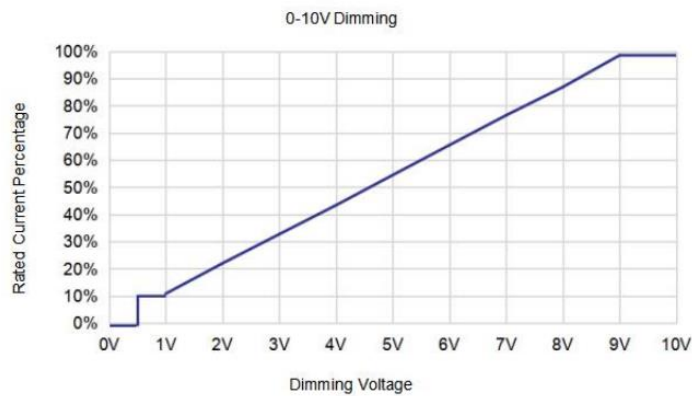


Horti Guru APP control system requires additional purchase

For more information, please contact Koray

The above data is a manual test of the physical samples of the factory, there may be measurement errors, for reference only!
For detailed data, please contact us!

Dimming Operation Instructions

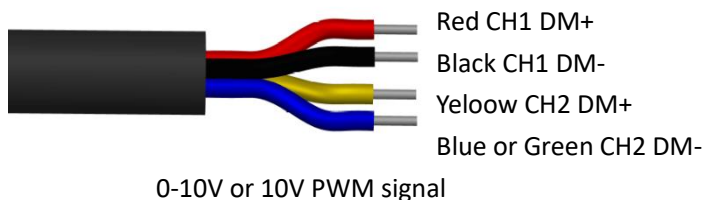


- The minimum dimming depth of 0.5-10V is 10%. - The dimming depth of PWM dimming is 10%. - The requirement of PWM compatible signal: 400-3000Hz; amplitude: 10(V) - The dimming depth of Rx dimming is 10%. - DIM+/- is vacant: 100% rated current

Selectable spectrum:

Electronic installation instructions

When open the package, please check whether the inside is including product, accessory, label, certificate quality. And please assure that the light is perfect without any damage.



AC input wire, gray is live wire, blue is zero wire, yellow-green is ground wire; input voltage: 100~277VAC

Dimming input: 3-in-1 dimming (0~10VDC, 10V PWM signal, resistance)

Attention

1. In order to make sure the light can work safety and stability, the ground line should be connected the earth.
2. When connecting the wires please turn off the power, and check whether the wires are connected correctly. Never connect the wires in opposite way, or the power should not be turned on.
3. Please keeping the trip bolt being fastening and reliable, in case of the light fall down of looseness.
4. When finishing connect the wires, please use the insulation gummed tape to convolve the wires, confirm the insulation and solve the waterproof problem.