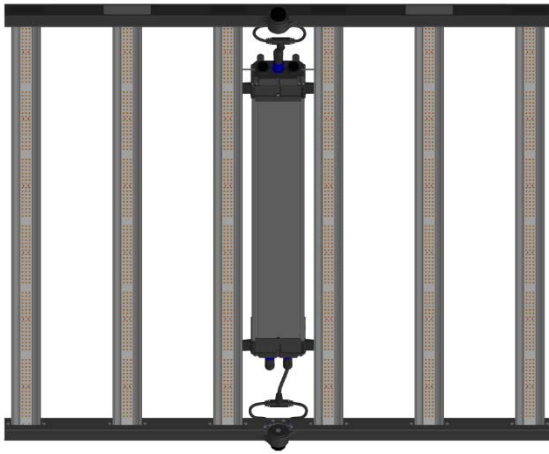


**Description:** RX-G80 Dual-channel plant grow array lights, Adjustable spectrum, Designed for medicinal plant growth, CHI vegetative growth, CHI and CH2 for Flowering and maturity, The channel 1 It is suitable for vegetative growth stage, the light efficiency is up to 2.8μmol/J, and the channel 2 is specially set with far red lamp beads for inducing flowering. The two channels are simultaneously opened, It is especially suitable for the blooming and harvesting of medicinal plants.



1. 630W 1 to 1 replacement 1000W HPS lamp, Dual channel adjustable spectrum
2. Plant grow LED Lights for vegetative growth and flowering of medicinal plants
3. Samsung LM301 and Osram Horticultural LED, PPF up to 2.7umol/j
4. Channel 1, NW for Early stage Vegetative growth
5. Channel 2, WW additional dark red 660nm, FR730nm, dedicated to flowering maturity
6. RJ45 network cable dimming socket, compatible with Horti Guru intelligent APP control system
7. Waterproof design, waterproof rating IP65
8. Input voltage: 100-305V, Rated Power: 630W
9. CE RoHS FCC

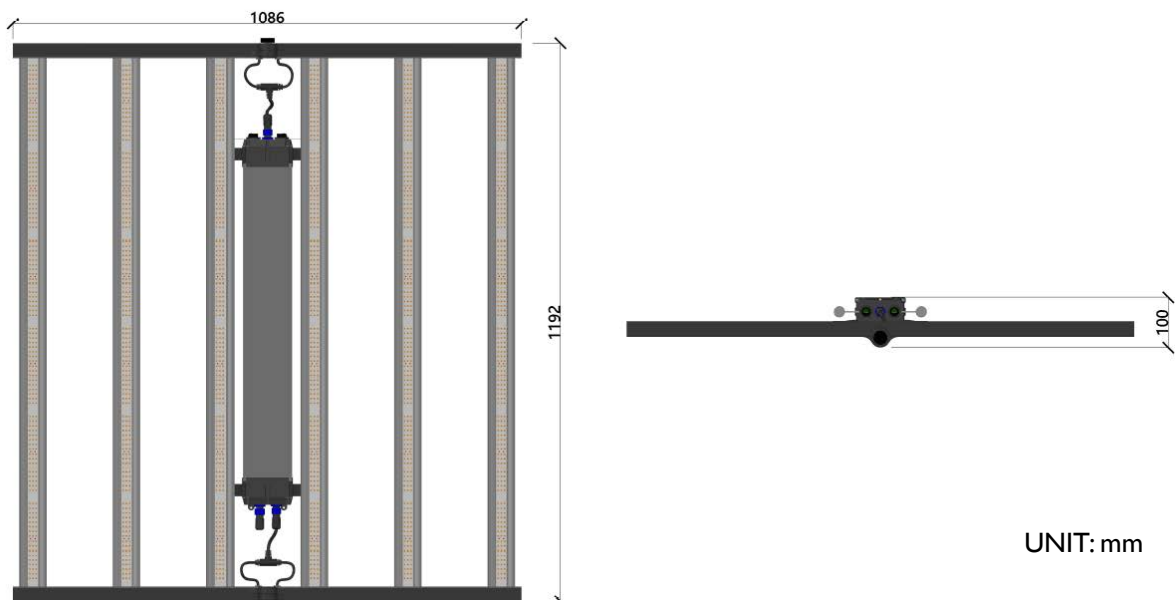
Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD μmol/m <sup>2</sup> /s	Photosynthetic light quantum flux	Test Power Input	Comment
RX-G80	1193x1086x85mm 47"x43"x 3.4"	CHI NW 	545μmol @0.2m 384μmol @0.5m	PPF: 840umol/s	300W	vegetative stage
		CH2 WR 660nm 730nm 	649μmol @0.2m 468μmol @0.5m	PPF: 910umol/s		
		CHI CH2 F68 	1207μmol @0.2m 850μmol @0.5m	PPF: 1750umol/s	630W	Bloom and harvest

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

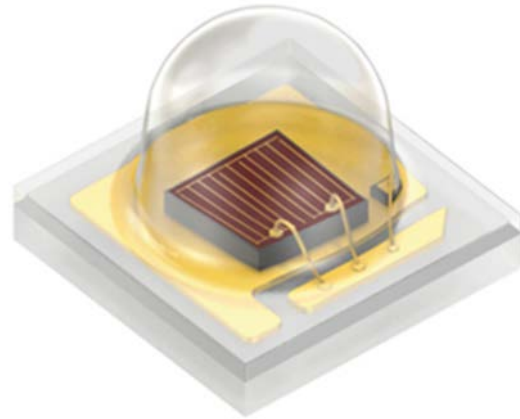
Tolerance range for optical and electrical data: ± 10%.

The above data is for reference only!

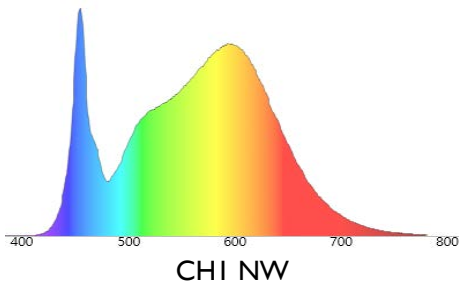
Dimension:



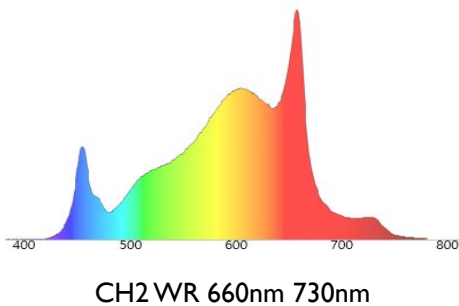
- Dual channel full spectrum, 630W replaces 1000W HPS lamp, Samsung LM301 Osram Horticulture LED



- Dual-channel, adjustable spectrum, designed to balance plant growth  
Full spectrum, high efficiency and energy saving, CHI is suitable for seedling and vegetative growth, CHI+CH2 is suitable for flowering and harvest



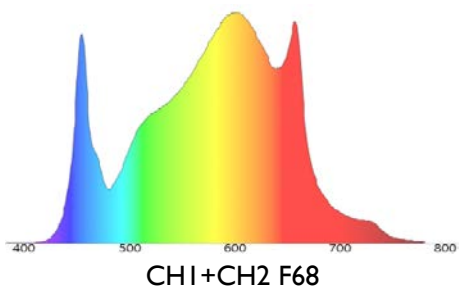
Neutral white LED NW color temperature  
Promote the germination and increase the growth rate of plants



Warm white LED WW color temperature  
Promote plant flowering, make flowers bigger and better quality.

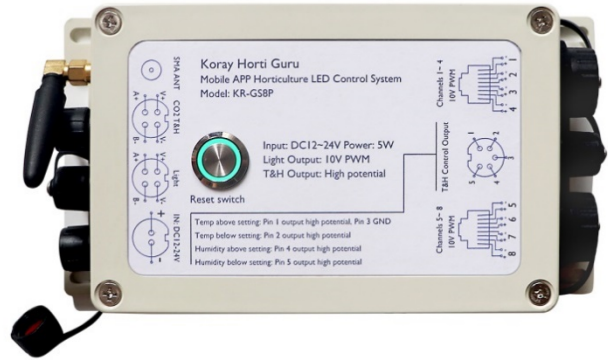


Deep Red Light 660nm  
Yields more leaves and crops when combined with blue light



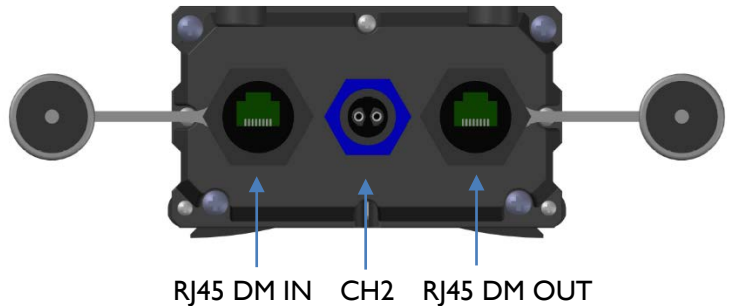
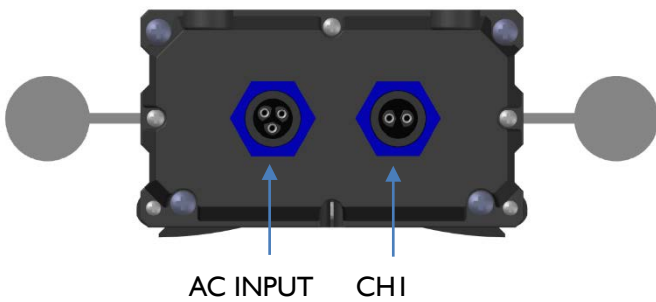
IR 730nm should actually be called far red light  
(760nm LEDs on the market, It's actually 730nm LED)  
The evidence is shown in the spectrogram  
Speed up the Phytochrome conversion, allowing plants to produce a greater yield. IR is dimmer than other red lights, IR light is especially useful during bloom

- Compatible with Horti Guru APP control system



Horti Guru APP control system requires additional purchase  
For more information, please contact Koray

- Wiring diagram

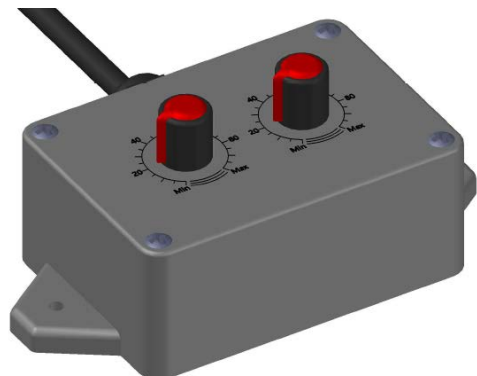


- RJ45 socket Dimming connector



CH1 Dimming signal input : Pin 1 DIM+, Pin 2 DIM-  
CH2 Dimming signal input : Pin 3 DIM+, Pin 4 DIM-  
0-10V or 10V PWM signal

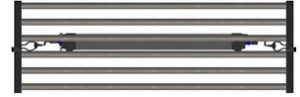
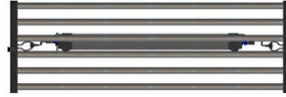
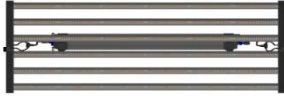
- Free 1-10V dimmer, for test use only



● **Tips-hanging height and dimming brightness**

Germination/ Tissue Culture,Seedling/ Propagation & Cuttings,Vegetative Stage,Flowering, Mother Plants

Plant tent for growing tomatoes or medicinal plants



Seedling

PPFD 150~250 $\mu\text{mol}/\text{m}^2/\text{s}$

Illuminance CHI: 80%

Illuminance CH2: OFF

Height from plant canopy: 39"(1m)



Vegetive Stage

400~600 $\mu\text{mol}/\text{m}^2/\text{s}$

CO<sub>2</sub>: 400~800ppm

Illuminance CHI: 100%

Illuminance CH2: 50%

Height from plant canopy:24" (0.61m)



Flowering

PPFD 500~1000 $\mu\text{mol}/\text{m}^2/\text{s}$

CO<sub>2</sub>:800~1500ppm

Illuminance CHI: 100%

Illuminance CH2: 100%

Height from plant canopy:20"(0.51m)

The above is 1.5x1.5m plant tent planting

Darkroom planting (no reflective surface)



Seedling

PPFD 150~250 $\mu\text{mol}/\text{m}^2/\text{s}$

Illuminance CHI: 100%

Illuminance CH2: OFF

Height from plant canopy: 32"(0.8m)



Vegetive Stage

400~600 $\mu\text{mol}/\text{m}^2/\text{s}$

CO<sub>2</sub>: 400~800ppm

Illuminance CHI: 100%

Illuminance CH2: 50%

Height from plant canopy:20" (0.51m)



Flowering

PPFD 500~1000 $\mu\text{mol}/\text{m}^2/\text{s}$

CO<sub>2</sub>:800~1500ppm

Illuminance CHI: 100%

Illuminance CH2: 100%

Height: 12-18"(0.3-0.46m)



Dual-channel plant light array, CHI vegetative growth, CHI and CHB flowering,

MODEL: RX-G80 series [www.koraylight.com](http://www.koraylight.com) [www.xinelam.com](http://www.xinelam.com)

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Darkroom planting area 4ft\*4ft (1.2x1.2m), no reflective wall