

Description: RX-G700 4 channel Toplighting LED Grow Light, full-cycle top lighting solution for high bay growing environments, Concentrating Light efficiently and More uniform spectral radiation, more efficient comparison with common grow lights. for greenhouse supplemental lighting or indoor sole-source lighting, high wire vegetables, vegetable cultivation, flower cultivation, ornamental plant cultivation, succulent plant cultivation, medicinal plant cultivation.

1. 700W Toplighting LED Grow Module full-cycle high bay growing lights, Replace HPS lamps, 4 channel adjustable spectrum
2. Samsung and **Osram** LED, PPF efficiency up to 2.8umol/J(CH1,CH2)
3. The 4 channel CH1: CW; CH2:WW + plant red 660nm, CH3: UVA 400nm, CH4 far red 730nm
4. RJ45 network cable dimming socket, compatible with Horti Guru intelligent APP control system
5. Large size and high thermal conductivity aluminum substrate (MCPCB size 1195x186mm), high reliability, Waterproof IP65
6. Input: AC120-277V, PF>0.9, Power: CH1:320W, CH2:320W, CH3:32W, CH4:28W Total: 700W
7. 3 years warranty
8. Meet the safety requirements around the world, CE RoHS FCC



G700-4H



CH1 CW



CH2 WR



CH3 UVA



CH4 IR(FR)

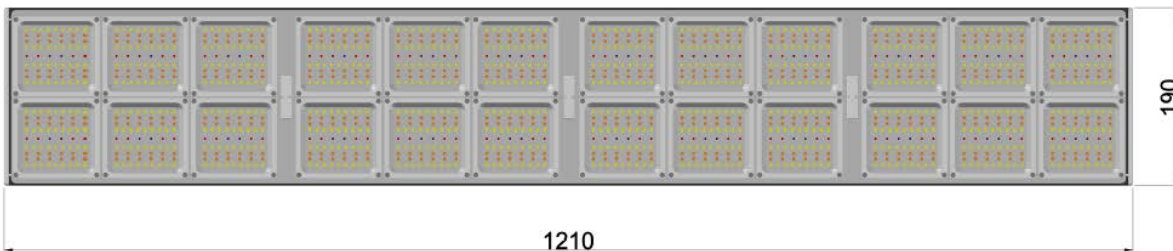
Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$	Photon PPF	Power Test AC230V	Comment	
RX-G700 4H	121x19x13cm 47.6"x7.5"x5.1"	CH1		556umol @ 24"(0.6m) 212umol @ 39"(1m)	890umol/s	320W	Nursery and seedling growth
		CH2		640umol @ 24"(0.6m) 251umol @ 39"(1m)	910umol/s	320W	flowering
		CH3		10umol @ 24"(0.6m) 5umol @ 39"(1m)	20umol/s	32W	stimulate plant growth
		CH4		5umol @ 24"(0.6m) 2umol @ 39"(1m)	7umol/s	28W	especially useful during bloom
		CH1-4 F385		1210umol @ 24"(0.6m) 470umol @ 39"(1m)	1820umol/s	700W	bloom and harvest

Operating temperature: -10°C ~ 35°C, Lifespan: 50,000 hours (Note: Ta 25°C)

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

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

Dimension:

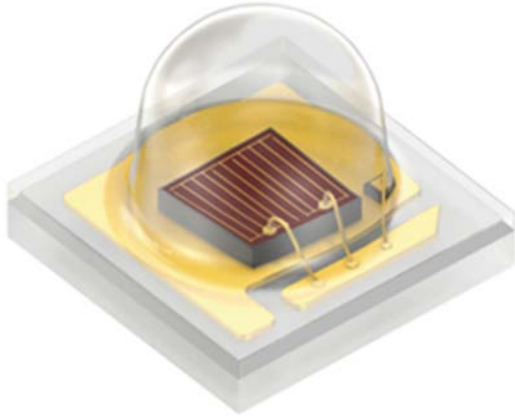


UNIT: mm



- Four-channel spectrum can be adjusted, ALL ON F385 full spectrum, replaces 1000W HPS lamp, Samsung LM301 **Osram**

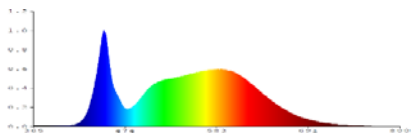
Horticulture LED



OSRAM LED



Samsung LM301

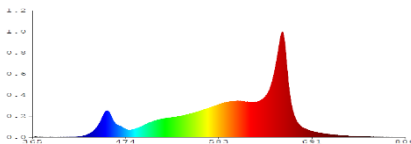


CH1 CW



Warm white LED

Promote plant flowering, make flowers bigger and better quality.



CH2 WR



Blue light LED

Promote the germination and increase the growth rate of plants



CH3 UVA



Deep Red Light 660nm

Yields more leaves and crops when combined with blue light

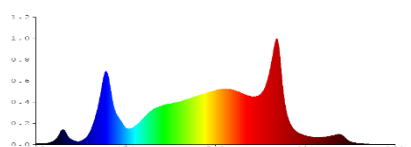


CH4 IR(FR)FR



IR 730nm should actually be called far red light (760nm LEDs on the market, It's actually 730nm LED)

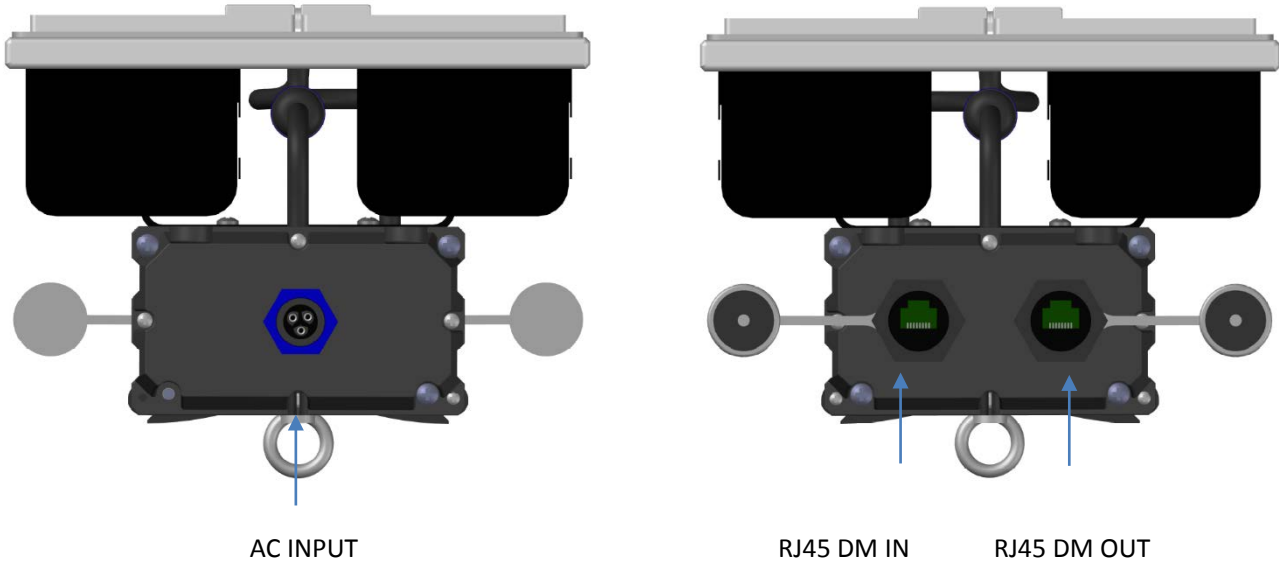
The evidence is shown in the spectrogram
Speed up the Phytochrome conversion, allowing plants to produce a greater yield. IR is dimmer than other red lights, IR light is especially useful during bloom



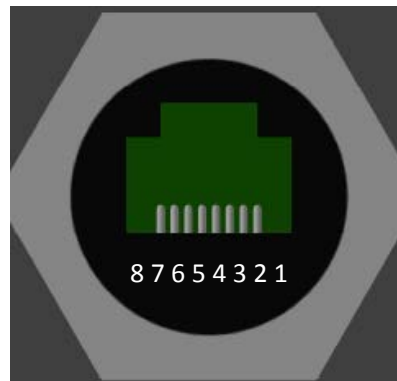
4CH - F385



UVA 400nm, stimulate plant growth, increase active substances in medicinal plants
improve antioxidant proper-ties of microgreens

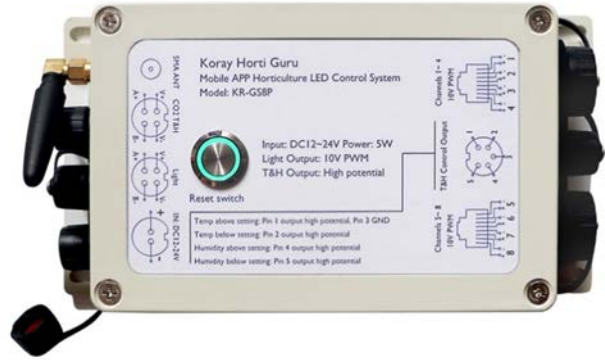
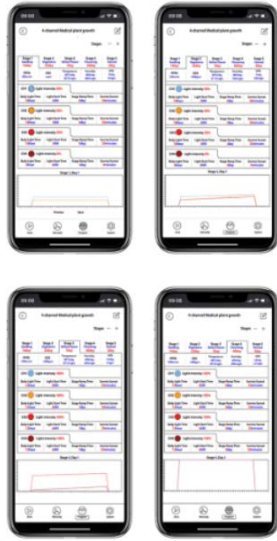


RJ45 socket Dimming connector



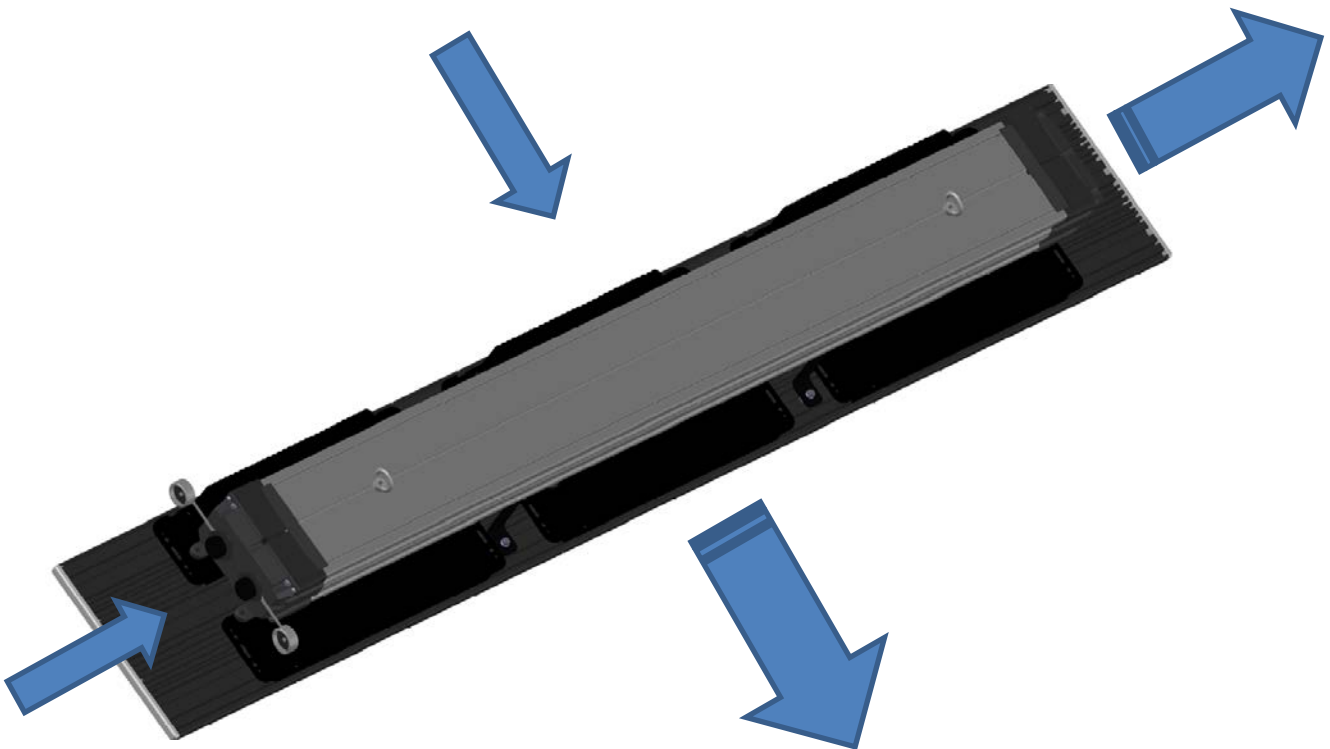
CH1 Dimming signal input : Pin 1 DIM+, Pin 2 DIM-
CH2 Dimming signal input : Pin 3 DIM+, Pin 4 DIM-
CH3 Dimming signal input : Pin 5 DIM+, Pin 6 DIM-
CH4 Dimming signal input : Pin 7 DIM+, Pin 8 DIM-
0-10V or 10V PWM signal

- Compatible with Horti Guru APP control system



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

- Large size MCPCB additional heat dissipation, low temperature rise, more reliable



● Electronic installation instructions

1. 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.
2. The wires of LED Light is three-core, the standard size of the wire is 3*1mm² or 3*1.5mm² and the outer diameter is Φ7~12mm, brown wire is live line, blue wire is null line, yellow & green is ground line.
3. LED Light will work when the voltage up to rated voltage, so please be sure the voltage within the requested range, or it will damage the light which can't be repaired.
4. when the electrical continuity is connected, the lead wire should be in electric insulating The way of connect wire:

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.

● Greenhouse cultivation solution for medicinal plants

Requested light intensity in PAR Max: umol/m ² /s	Average light intensity umol/m ² /s	Luminaire model and power	Covered area of each lamp	Hanging height Luminaire to plant canopy	Luminaire Gap
900-1000	600	RX-G700-4H 700W	26Sqft (2.4m ²)	3.6ft 1.1m	6.6ft*2.3ft(2*0.7m)
800-900	520		29Sqft (2.7m ²)	3.2ft 1m	6.6ft*2.6ft(2*0.8m)
700-800	430		36Sqft (3.3m ²)	3.2ft 1m	6.6ft*3.2ft(2*1m)
600-700	400		36Sqft (3.3m ²)	3.9ft 1.2m	6.6ft*3.2ft(2*1m)
500-600	380		39Sqft (3.6m ²)	4.3ft 1.3m	6.6ft*3.6ft (2*1.1m)
400-500	350		42Sqft (3.9m ²)	4.9ft 1.5m	6.6ft*3.9ft (2*1.2m)
300-400	260		51Sqft (4.8m ²)	5.9ft 1.8m	6.6ft*5ft (2*1.5m)
200-300	190		68Sqft (6.3m ²)	6.6ft 2m	6.6ft*6.6ft (2*2m)
150	120		98Sqft (9.1m ²)	9.8ft 3m	6.5ft*3.9ft (2*1.2)

The above is a large area planting plan, the wall reflectance is 20%, the number of lamps in each room is not less than 20pcs, the data is for reference only!

Koray customizes and designs exclusive gardening lighting solutions for you! Please contact us without hesitation.