

Description: RX-G320 4 Channels Adjustable light recipe Greenhouses Horticulture LED Linear high-bay for commercial horticulture cultivation. Not intended for beginner growers or grows without CO2 supplementation, Four independent spectral channels, compatible with "Horti Guru" plant lamp control system, can adjust the spectrum you need, with high efficiency. Among them, channel 1, more blue photons, suitable for vegetative growth at seedling stage, channel 1 and channel 2, blue photons plus red photons, are suitable for later vegetative growth, with an efficiency of 2.7umol/j, channel 3 Independent UVA channel, increase plant active ingredients, dwarf plants, improve plant morphology, Color and taste, channel 4, IR channel, regulate flowering period and improve harvest.



320W-4 Channels



CH1 NW



CH2 WR

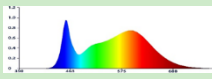
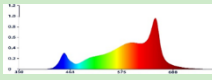


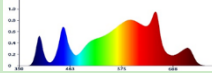


CH3 UVA



CH4 IR(FR)

- 320W 4 Channels Adjustable light recipe Greenhouses Horticulture LED Linear high-bay
- Samsung and Osram LED, PPF efficiency up to 2.7umol/J(CH1,CH2)
- The 4 channel CH1: NW; CH2: WW + plant red 660nm, CH3 UVA 395nm CH4: FR 730nm
- RJ45 network cable dimming socket, compatible with "Horti Guru" intelligent APP control system
- Waterproof IP65
- Input: AC120-277V, PF>0.9, Power: CH1:135W, CH2:135W, CH3:25W, CH4:25W Total: 320W
- 3 years warranty
- CE RoHS FCC

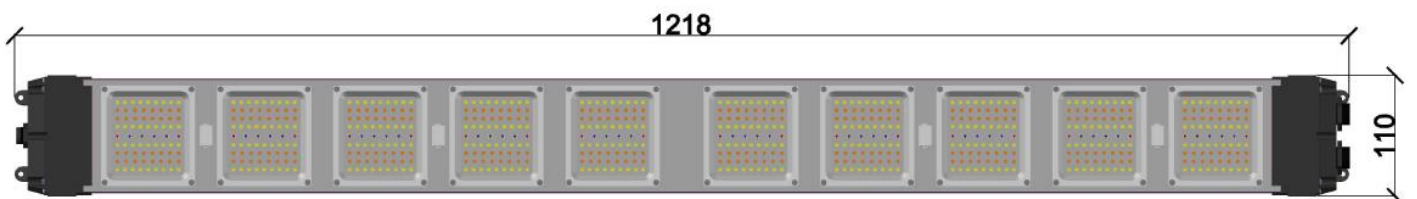
Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$	Photon PPF	Power Test AC230V	Comment
RX-G320 4H	1218x110x68m m 47.6"x4.3"x 2.7"	CH1 	199umol @ 24"(0.61m)	367umol/s	135W	Nursery and seedling growth
			91umol @ 40"(1.01m)			
		CH2 	215umol @ 24"(0.61m)	363umol/s	135W	flowering
			98umol @ 40"(1.01m)			
		CH3 	8umol @ 24"(0.61m)	16umol/s	25W	stimulate plant growth
			5umol @ 40"(1.01m)			
		CH4 	6umol @ 24"(0.61m)	6umol/s	25W	especially useful during bloom
			3umol @ 40"(1.01m)			
		CH1-4 F73 	427umol @ 24"(0.61m)	770umol/s	320W	bloom and harvest
			194umol @ 40"(1.01m)			

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

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

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

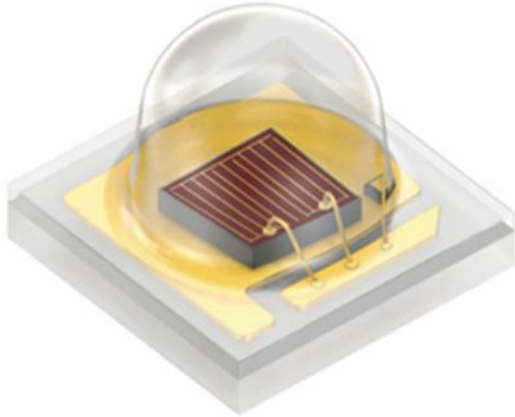
Dimension:



UNIT: mm



- Four-channel spectrum can be adjusted, ALL ON F73 full spectrum, replaces 600W HPS lamp, Samsung LM301 Osram Horticulture LED



OSRAM LED



Samsung LM301

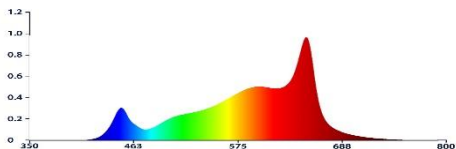


CH1 NW



Neutral white LED

Promote the germination and increase the growth rate of plants



CH2 WR



Warm white LED

Promote plant flowering, make flowers bigger and better quality.



CH3 UVA



Deep Red Light 660nm

Yields more leaves and crops when combined with blue light



CH4 FR(IR)730



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



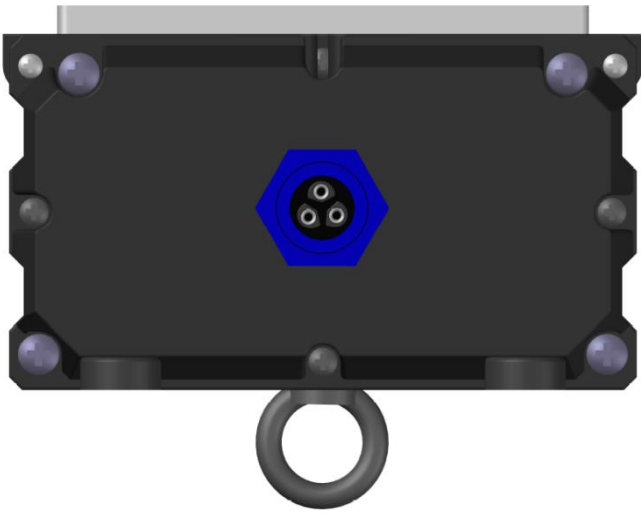
CH1-4 - F73



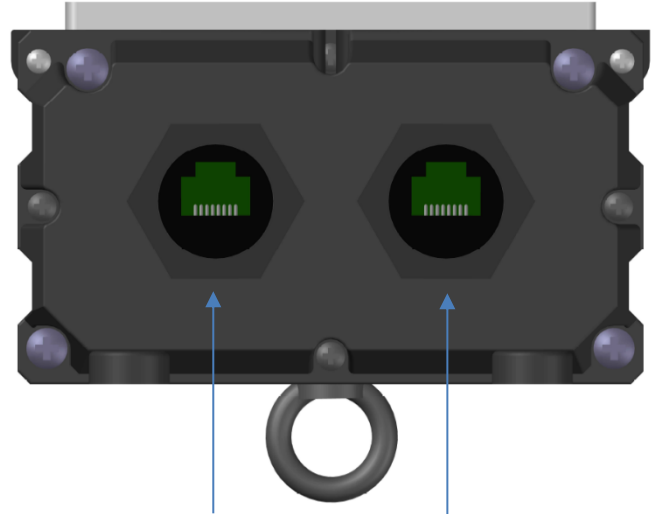
UVA 395nm, stimulate plant growth, increase active substances in medicinal plants

improve antioxidant proper-ties of microgreens

- Wiring diagram



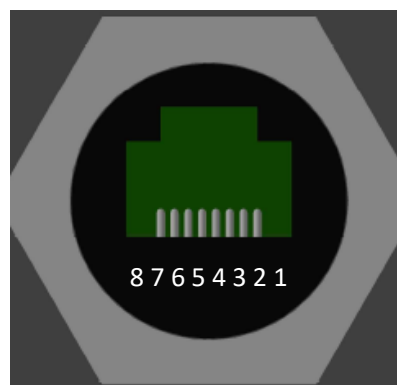
AC INPUT



RJ45 DM IN

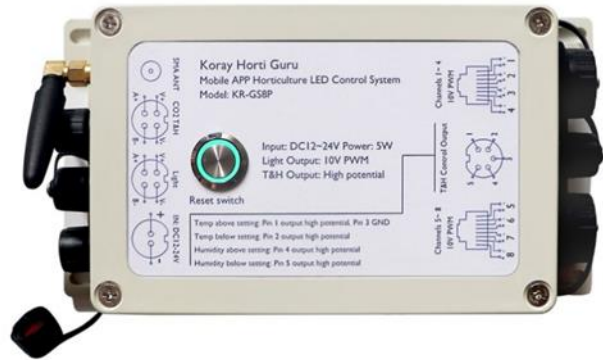
RJ45 DM OUT

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

- 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.