

Description: RX-GI 20-4H 680W High-power plant light module, four channels with four different spectrums, which can be individually controlled for dimming, combining more spectra to meet the lighting needs of different plants and different growth periods. By adjusting different spectrums, it can better apply to plants Light requirements at different stages such as germination, group cultivation, growth, flowering, fruiting and harvesting; suitable for commercial planting of medicinal plants and professional experimental planting.

1. Four-channel spectrum is adjustable, Vertical medicinal planting horticulture LED for commercial horticulture cultivation.
2. High-PPFD >1200 $\mu\text{mol}/\text{m}^2/\text{s}$ @0.2m, High efficiency , PPF efficiency is up to 2.8 $\mu\text{mol}/\text{J}$ (Excluding far red light)
3. Free 1-10V dimmer, you can control the brightness of each channel
4. Optional mobile app controller, with built-in preferred growth program of medicinal plants, and can set up light program according to demand, light time, spectrum and light intensity in different growth stages
5. Preferred spectra and combinations: WW 4000K/CH1, NW3000K/CH2, 660nm/CH3, 730nm/CH4, multiple spectra can be adjusted as needed
6. Power: rated total power 680W
7. CE RoHS FCC



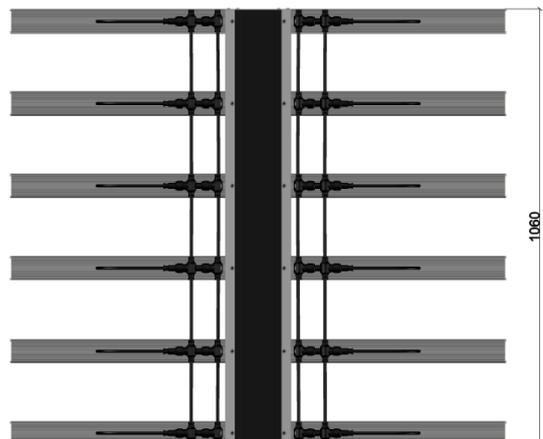
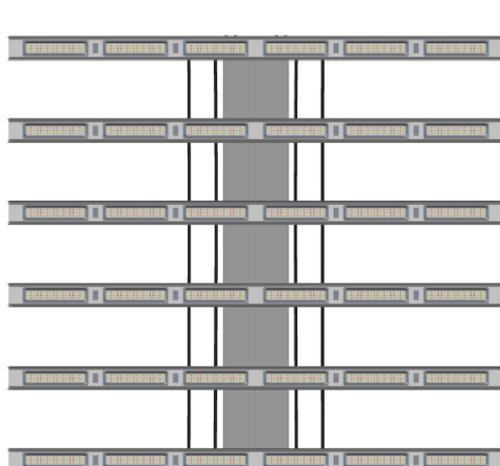
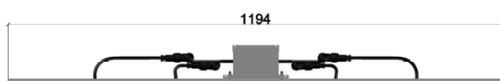
Model	Dimension	Spectrum and Channel	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux PAR Output	Power Input	Comment
RX-GI20-4H	1194x1060x100m m	CH1 4000K	509 μmol @0.2m 37057Lx	Flux 50380Lm PPF: 690 $\mu\text{mol}/\text{s}$	250W	ELGC-300-L-AB
		CH2 3000K	523 μmol @0.2m 37124Lx	Flux 51930Lm PPF: 730 $\mu\text{mol}/\text{s}$	270W	ELGC-300-L-AB
		CH3 660nm	168 μmol @0.2m 2099Lx	Flux 2810Lm PPF: 240 $\mu\text{mol}/\text{s}$	83W	ELG-100-36B
		CH4 730nm	13.8 μmol @0.2m 56.5Lx	Flux 45Lm PPF: 16 $\mu\text{mol}/\text{s}$	73W	ELG-100-36B
		CH1 ~ CH4	1223 μmol @0.2m 76424Lx	Flux 105000Lm PPF: 1678 $\mu\text{mol}/\text{s}$	679W	All ON Full spectrum

Operating temperature: -30 °C ~ 40 °C, Service life: 50,000 hrs (Note: Ta < 25 °C)

Photoelectric error range: $\pm 10\%$. The illumination angle is 100°, the recommended illumination distance; 0.15~0.3m is used for medicinal planting,

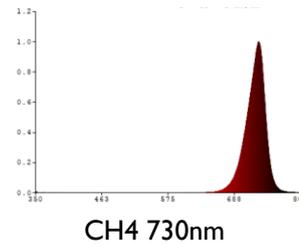
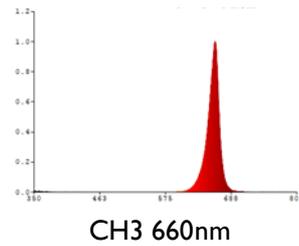
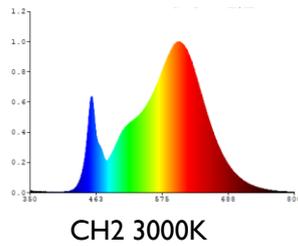
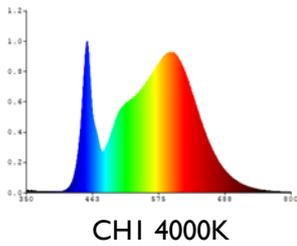
The above data is for reference only! Subject to change without notice!

Dimension:



Unit: mm

● Single-channel spectrum



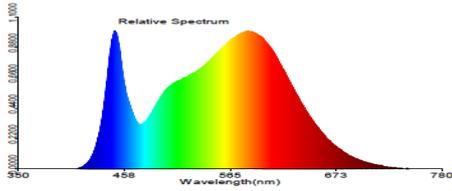
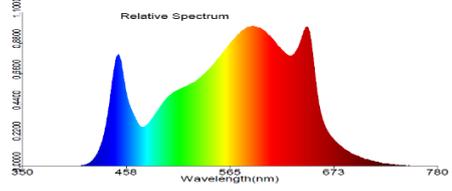
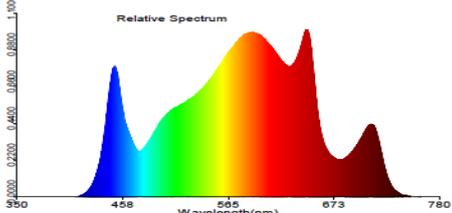
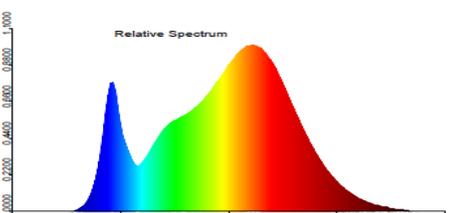
● Koray App Professional Dedicated Controller Test (APP control system requires additional cost, please contact Koray)

High-PPFD cultivation practices For growers to push the envelope, Not intended for beginner growers or grows without CO2 supplementation.

Spectrum Light recipe	Channel brightness Percentage	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$ 0.2m Center point test	Comment
	CHI 4000K 50% CH2 3000K 0% CH3 660nm 0% CH4 730nm 0%	250 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 127W Seedling growth
	CHI 4000K 100% CH2 3000K 100% CH3 660nm 80% CH4 730nm 0%	1160 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 585W Vegetative growth
	CHI 4000K 100% CH2 3000K 100% CH3 660nm 100% CH4 730nm 100%	1200 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 675W Flowering And harvest
	CHI 4000K 100% CH2 3000K 100% CH3 660nm 0% CH4 730nm 0%	1000 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 520W Harvest without deep red and far red light

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Home hobbyists cultivating without CO2 supplementation at ambient conditions around 400 ppm

Spectrum Light recipe	Channel brightness Percentage	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$ 0.2m Center point test	Comment
	CH1 4000K 50% CH2 3000K 0% CH3 660nm 0% CH4 730nm 0%	250 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 127W Seedling growth
	CH1 4000K 50% CH2 3000K 50% CH3 660nm 30% CH4 730nm 0%	580 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 286W Vegetative growth
	CH1 4000K 50% CH2 3000K 50% CH3 660nm 30% CH4 730nm 50%	590 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 320W Flowering And harvest
	CH1 4000K 50% CH2 3000K 50% CH3 660nm 0% CH4 730nm 0%	540 $\mu\text{mol}/\text{m}^2/\text{s}$	Power: 262W Harvest without deep red and far red light