

**Description:** RX-G120-L horticultural LED medicinal plant industry shelf planting , Vertical agriculture commercial horticulture cultivation , Designed for growers to push the envelope with high-PPFD cultivation practices. Not intended for beginner growers or grows without CO<sub>2</sub> supplementation. Preferred medicinal plant light recipe, Light recipes can be customized.



1. 630W LED grow light, Covered area in tent, Veg is 6'x6', of flowering is 5'x5'
2. Dark room without any reflective sides, Covered area: Veg is 5'x5', of flowering is 4'x4'
3. Super multiple LEDs, Up to 5904pcs, It is 3 times that of ordinary lamps. LED total power 3000W, which is more reliable for derating use!
4. Full spectrum: Samsung white LED, Hyper Red horticulture 660nm LED
5. PAR 1630umol/s , PPF efficiency is up to 2.6umol/J
6. Multi-Lights Connection Dimming, compatible with Horti Guru APP control system
7. Power: 640W/AC120V, 630W/230V, 630W/277V
8. Life span 50000 hours, Warranty 3 years
9. CE RoHS FCC

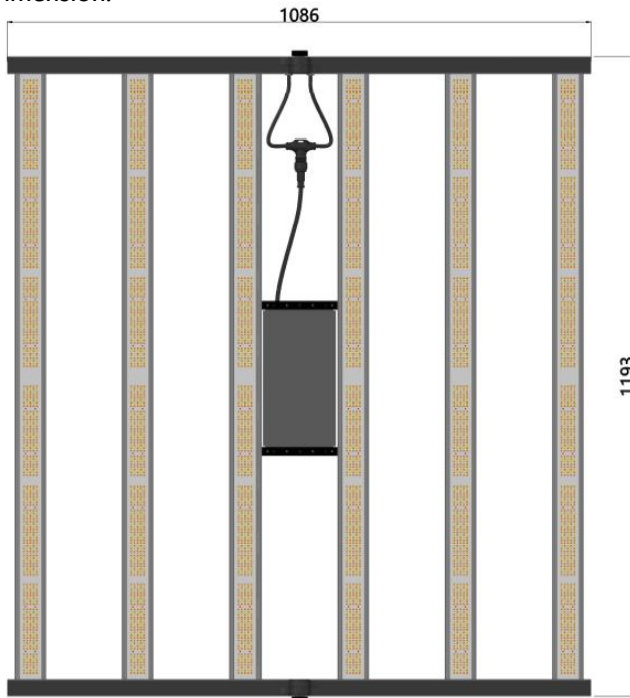
Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD μmol/m <sup>2</sup> /s	Luminous flux Radiation Power	Power Test Input AC277V	Comment
RX-G120-L	1193x1086x65mm 47" * 42.8" * 2.6"	F51 	1050μmol @7.9" /0.2m	1630umol/s	630W	2.6umol/J Medicinal plant light recipe Vegetative growth and flowering
			950μmol @11.8" /0.3m			
			750μmol @19.7" /0.5m			

Surface temperature rise Tc 28°K, Operating temperature:-30°C~40°C, Lifespan:50,000 hours (Note: Ta 25°C)

Tolerance range for optical and electrical data:±10%. Beam angle 120°

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

Dimension:

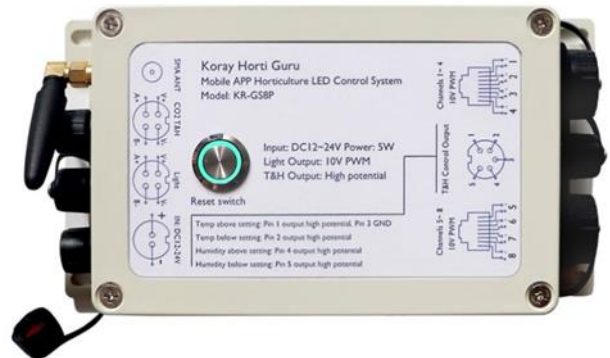


Unit: mm

- More LEDs, up to 5904pcs, LED lamp bead power more than 3000W, derating use, to ensure low temperature rise and high light efficiency

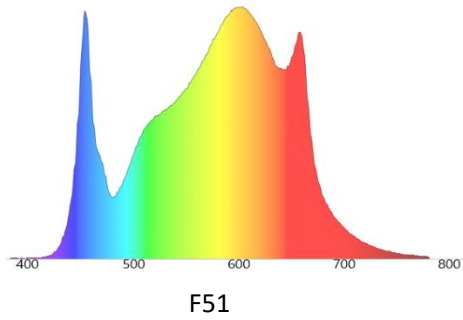


- Compatible with Horti Guru APP control system



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

● Full spectrum F51, rapid and effective plant growth



Warm white LED 3000K color temperature  
Promote plant flowering, make flowers bigger and better quality.



Blue light LED 5000K color temperature  
Promote the germination and increase the growth rate of plants

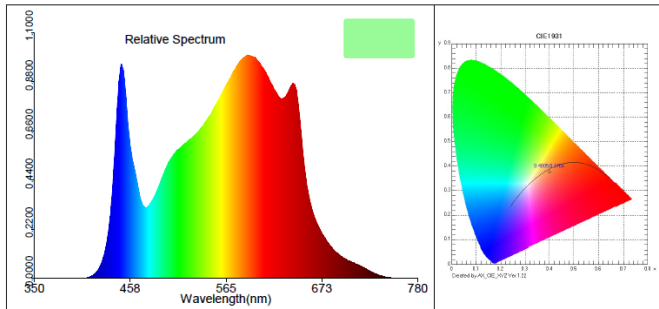


Deep Red Light 660nm  
Yields more leaves and crops when combined with blue light

Koray is applied with authorized Samsung LED

Make sure you purchase authentic SASUNG LED, Don't be fooled by fake listing and data

● Test report



Test parameter:

E= 51875.5 lx      E(fc)=4821.14 fc  
CIE x= 0.4005      CIE y= 0.3766      CIE u'=0.2385      CIE v'=0.5045  
Tc=3490 K      Lp=601.0 nm      HW=161.5 nm      Ld=583.5 nm  
Pur=33.2 %      Ratio\_R=21.5 %      Ratio\_G=74.7 %      Ratio\_B=3.8 %  
Ra=90.2      R1= 91      R2= 97      R3= 96  
R4= 89      R5= 91      R6= 93      R7= 88  
R8= 76      R9= 48      R10= 92      R11= 90  
R12= 76      R13= 93      R14= 99      R15= 87  
SDCM= 6.4(3500K/White)  
White Class:OUT  
E1=164.1 W/m2      E2=167.54 W/m2      PPFD=780.86 μmol/(m·s)  
Ech-A=24.708 W/m2      Ech-B=32.278 W/m2      Ef=3.4292 W/m2  
Eb=31.803 W/m2      Ey=69.212 W/m2      Ei=63.219 W/m2  
Ep=144.5 Wphyto/m2      Erb\_Ratio=1.9878

RX-G120-L-F51 0.5M PPFD Output

Measurements	
E11	Max 40.6 °C
	Min 16.6 °C
	Average 24.9 °C
Sp1	39.5 °C
Sp2	38.2 °C
Sp3	39.4 °C
Sp4	40.5 °C
Sp5	35.0 °C
Sp6	38.6 °C
Sp7	40.0 °C
Sp8	21.6 °C
Sp9	32.8 °C
Sp10	32.4 °C

Parameters	
Emissivity	0.9
Refl. temp.	22 °C

Geolocation	
Compass	0° N

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