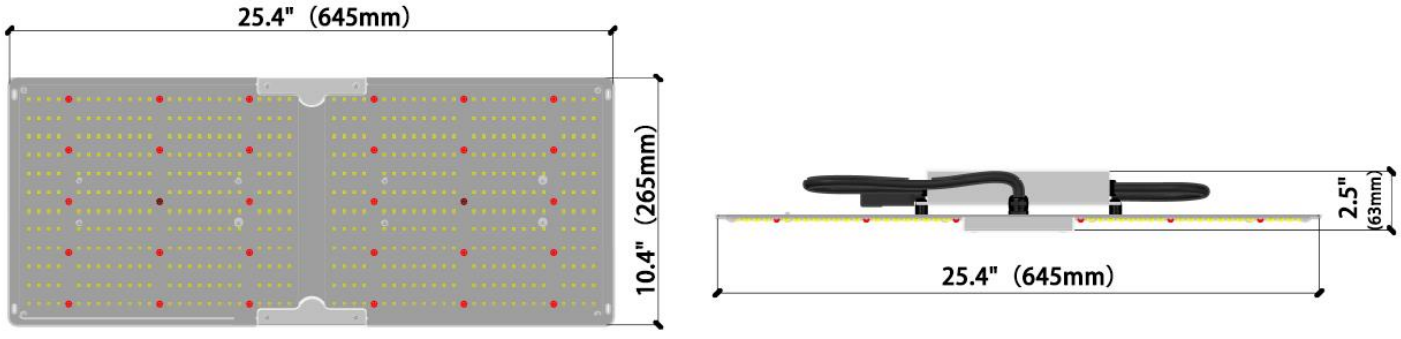
Description: RX-G2000 Sunlight spectrum Plants Lights for Indoor Veg and Flower Growing Lamp, Samsung LM301 high efficiency led chip, and add the deep red 660nm IR 750nm. More effective spectra for medicinal plants, koray LED grow light which can obviously improve the quality and harvest. suitable for basement planting, plant tent planting, experimental planting and greenhouse planting.

1. High efficiency up to 2.7μmol/J, only consume 200W but has same harvesting as fake 2000W Red ratio blue led growing lights
2. Veg footprint is 3 x 4 ft, Flowering footprint 2 x 3 ft
3. Samsung LM301 led chip and MeanWell Driver power
4. Waterproof MCPCB Horticulture LED quantum LED module IP65
5. Sunlight spectrum: Easy to see plant color, more effective Blue cool white 5000K, Warm white 3000K,Red 660nm and IR 750nm
6. All aluminum heat dissipation without fan zero noise
7. Input:AC100~277V, Rated power: 220W
8. Lifespan 50,000 hours,Warranty: 3 years
9. CE RoHS FCC

Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD μmol/m²/s	Luminous flux Radiation Power	Power Test Input	Comment
RX-G2000 SF2000	645x265x63mm 25.4"x10.4"x 2.5"	F40	1191μmol @12"(30.5cm) 79414Lx 860μmol @18"(45.7cm) 57430Lx 675μmol @24"(61cm) 45176Lx	Flux: 39430Lm PPF:600umol/s	220W	Leafy vegetables, flowering, medicinal plants
RX-G2000 SF2000	645x265x63mm 25.4"x10.4"x 2.5"	F41	1229μmol @12"(30.5cm) 82030Lx 889μmol @18"(45.7cm) 59316Lx 699μmol @24"(61cm) 46619Lx	Flux:40281Lm PPF:608umol/s	220W	Succulent plants Cordyceps Seedlings
Max working temperature:Tc 28 °K ,Working temperature: - 30°C ~ 40°C ,Lifespan: 50,000 hours (Note:Ta 25 °C) Tolerance range for optical and electrical data: ±10 %. Recommended Mounting Height: Germination： 24-30 inches; Seeding: 24 inches,Veg: 18-24 inches; Bloom: 12-18 inches						

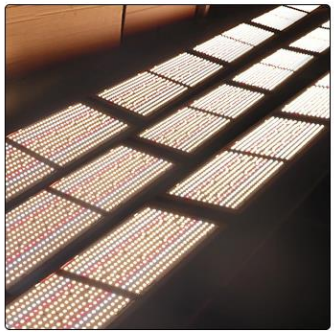
The above data is for reference only!

Dimension:



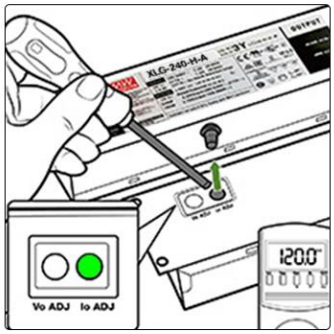
Unit: mm

Testing



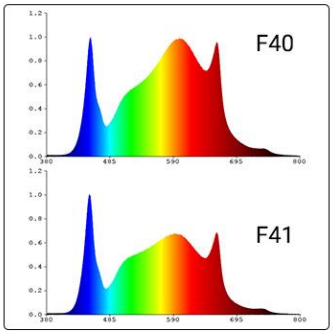
Durability Test for Each Light to Ensure Perfect Operation.

Dimmable



Dimming Function On Bottom of the Meanwell Driver.

Spectrum



Full Specturm Light for Healthy Plants & Better Yields.

Water-resistant

Glue Process - Protective Coating on Chips Board

Germination

Hang at 24'' - 30''
18hr On/6hr Off

Seedling

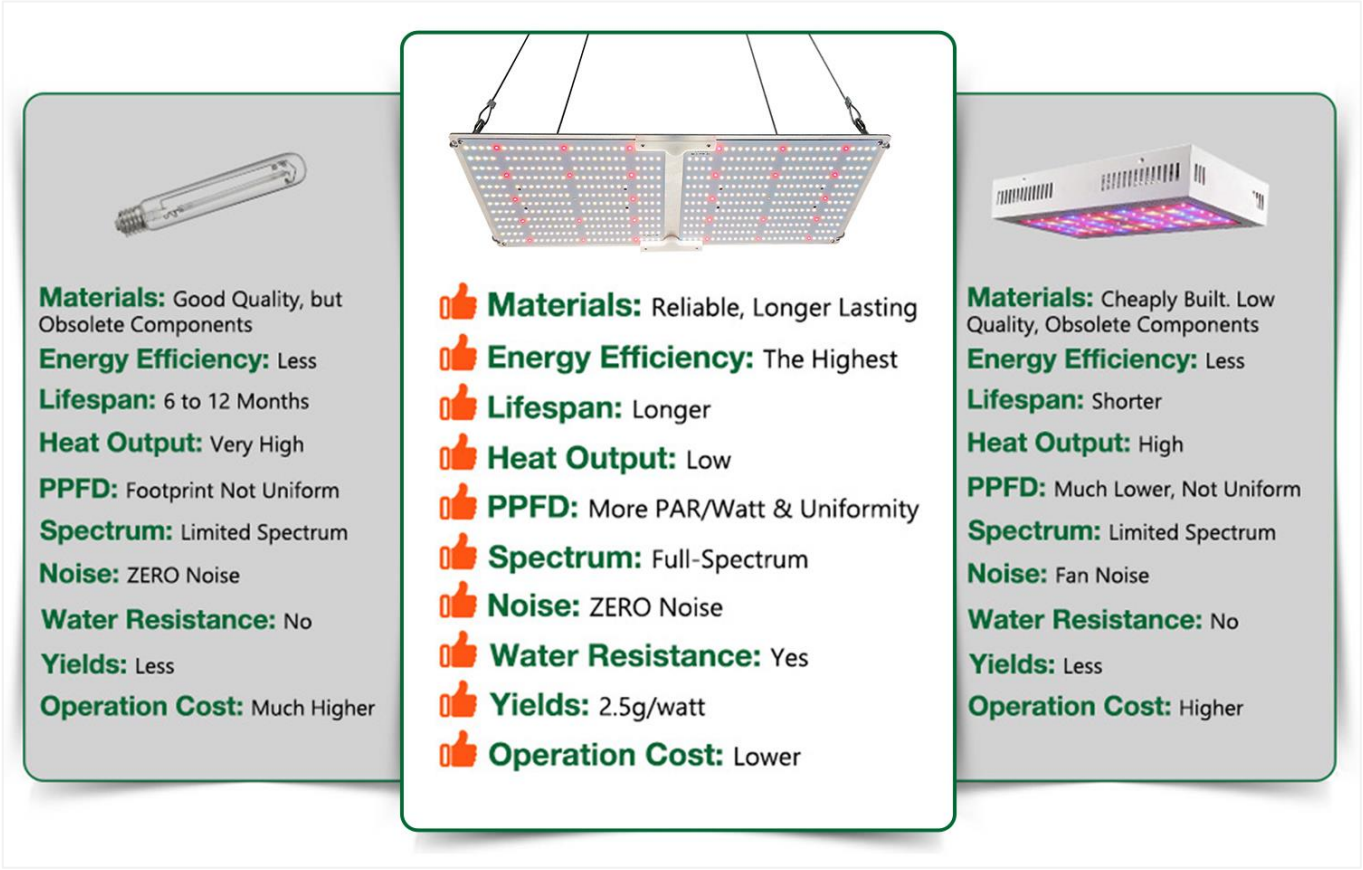
Hang at 24'' - 30''
18hr On/6hr Off

Veg

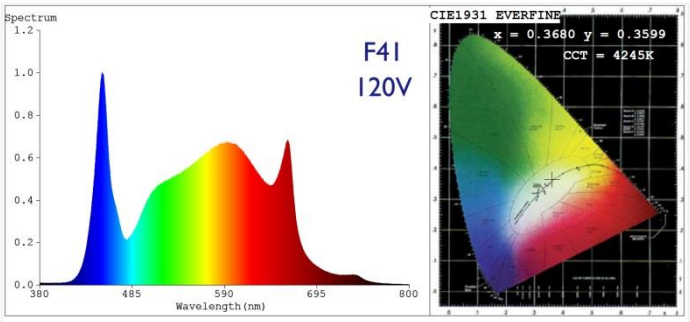
Hang at 18'' - 24''
18hr On/6hr Off

Bloom

Hang at 12'' - 18''
12hr On/12hr Off



- Testing report

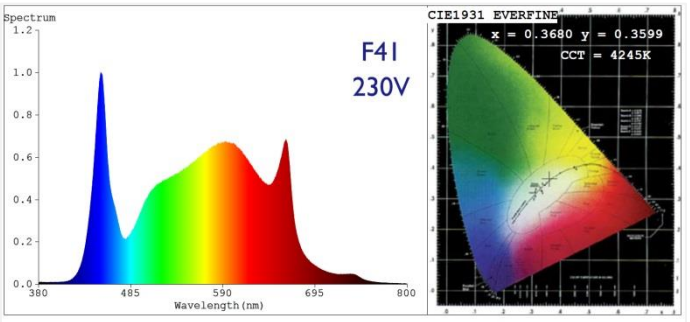


Color Parameters:
Chromaticity Coordinate:x=0.3677 y=0.3596/u'=0.2235 v'=0.4919
CCT=4250K(Duv=-0.0043) Dominant WL:Ld =581.4nm Purity=18.2%
Ratio:R=18.4% G=77.4% B=4.1% Peak WL:Lp=451.3nm FWHM=19.1nm
Render Index:Ra=88.8 AvgR=84.6
R1 =88 R2 =93 R3 =94 R4 =88 R5 =88 R6 =88 R7 =90
R8 =79 R9 =47 R10=82 R11=88 R12=68 R13=90 R14=97 R15=86

Photo Parameters: 608μmol/s 225W
Flux = 40281 lm Eff. : 178.72 lm/W Fe = 132.9 W
Scotopic:73100 S/P:1.8148
Photosynthetic:PPF:608.25umol/s PAR WATT:1.2993e+005mW(400-700nm)

Electrical parameters:
V = 120.83 V I = 1.867 A P = 225.4 W PF = 0.9992
LEVEL:OUT WHITE:ANSI_4000K

RX-G2000-SF2000-F41 120V PPF Test

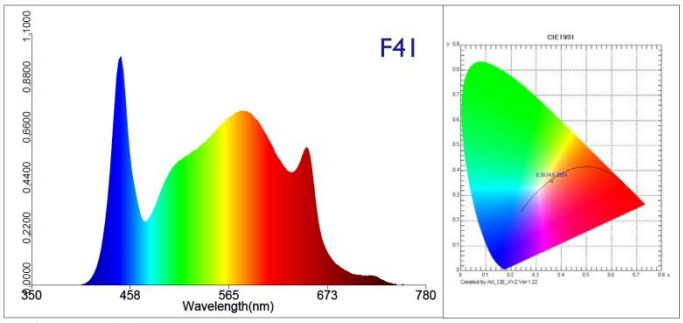


Color Parameters:
Chromaticity Coordinate:x=0.3676 y=0.3594/u'=0.2235 v'=0.4918
CCT=4252K(Duv=-0.0044) Dominant WL:Ld =581.5nm Purity=18.2%
Ratio:R=18.4% G=77.4% B=4.1% Peak WL:Lp=451.9nm FWHM=19.1nm
Render Index:Ra=88.7 AvgR=84.6
R1 =88 R2 =93 R3 =94 R4 =88 R5 =88 R6 =88 R7 =90
R8 =79 R9 =46 R10=82 R11=88 R12=68 R13=90 R14=97 R15=86

Photo Parameters: 607μmol/s 220W
Flux = 40197 lm Eff. : 182.89 lm/W Fe = 132.7 W
Scotopic:72982 S/P:1.8156
Photosynthetic:PPF:607.22umol/s PAR WATT:1.2972e+005mW(400-700nm)

Electrical parameters:
V = 231.36 V I = 0.9670 A P = 219.8 W PF = 0.9824
LEVEL:OUT WHITE:ANSI_4000K

RX-G2000-SF2000-F41 230V PPF Test



Test parameter:

E= 82029.5 lx E(fc)=7623.56 fc

CIE x= 0.3634	CIE y= 0.3584	CIE u'=0.2211	CIE v'=0.4907
Tc=4383 K	Lp=452.0 nm	HW=24.8 nm	Ld=580.3 nm
Pur=16.6 %	Ratio_R=17.8 %	Ratio_G=77.9 %	Ratio_B=4.3 %
Duv=-0.00344			

Ra=87.5	R1= 87	R2= 92	R3= 95
R4= 87	R5= 87	R6= 87	R7= 90
R8= 76	R9= 38	R10= 81	R11= 86
R12= 68	R13= 88	R14= 97	R15= 84

SDCM= 8.7(F4000)
White Class:OUT

1229μmol/㎡/s

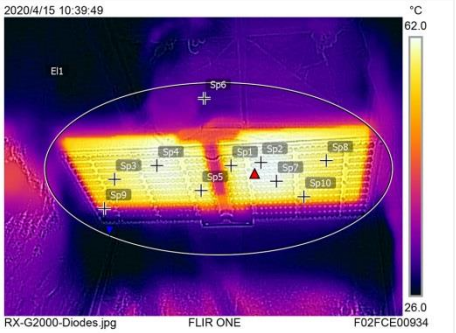
E1=263.29 W/m2	E2=267.79 W/m2	PPFD=1228.6 μmol/(m·s)
Ech-A=41.135 W/m2	Ech-B=55.544 W/m2	Ef=4.4686 W/m2
Eb=64.444 W/m2	Ey=113.98 W/m2	Er=85.078 W/m2
Ep=227.67 Wphyto/m2	Erb_Ratio=1.3202	
PPFDf=2.7171E+001 μmol/(m2·s)		

RX-G2000-SF2000-F41 12" PPFD Test

Measurements		
EI1	Max	62.0 °C
	Min	26.0 °C
	Average	42.0 °C
Sp1		60.5 °C
Sp2		61.9 °C
Sp3		60.1 °C
Sp4		61.7 °C
Sp5		60.6 °C
Sp6		27.2 °C
Sp7		61.7 °C
Sp8		60.2 °C
Sp9		32.4 °C
Sp10		59.6 °C

Parameters	
Emissivity	0.9
Refl. temp.	22 °C

Geolocation	
Compass	0° N



Surface temperature test