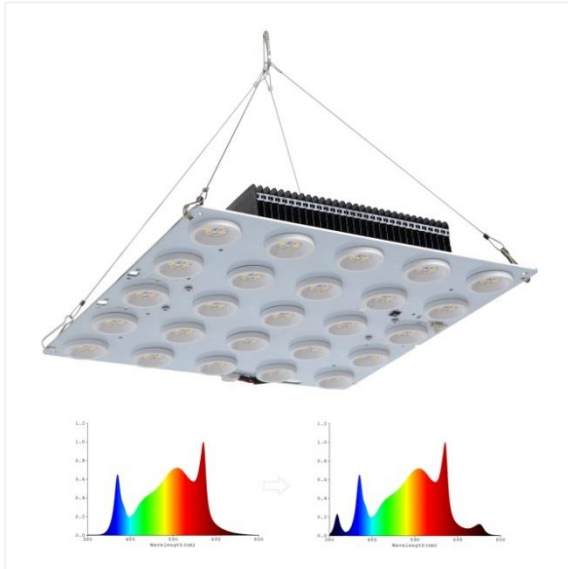


Description: RX-GW45-K330 Medicinal plant LED grow Light module horticulture lighting group, Full spectrum, The UV and far red spectrum of the independent switch control can be turned on when needed, stimulating the plant's stress response, producing more medicinal ingredients and increasing the weight of the flower. Super High PAR output, PPFD>1200Micromol ideal for medical plant growth. The F7 spectrum has been extensively tested and is 100% effective against medicinal plants, it has the biggest contribution for plants and useful for increasing the harvest. Suitable for use in basement and other No sunshine environment for planting crops.



1. Optimize the medicinal plant light-recipe, especially add a separate UVFR switch, and turn on the UVA and far red wavelength LED lamp bead as needed, Stimulate plant stress response. for Vegetative and Flowering & Harvesting stage
2. Standard: 90 type reflector protection, can be customized: 90D Lens + Reflector cup, waterproof IP65
3. High PAR output, PPFD>1200 μmol at 8" (0.2m)
4. Meanwell LED Power, long life more reliable
5. Power: 140W Contains UV and far red, 125W not contain UV FR
6. Long life up to 50,000 hours
7. CE RoHS FCC

Model	Dimension	Peak Wavelength	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux Radiation Power	Power Input	Comment
RX-GW45-K330-90	330x330x60mm 13"x13"x 2.4"	F7	1389 μmol @0.2m 87829Lx	Flux: 17689Lm	125W	2.3 $\mu\text{mol}/\text{J}$ Suitable for vegetative growth
			796 μmol @0.3m 50477Lx	PPF:282 $\mu\text{mol}/\text{s}$		
			345 μmol @0.5m 21843Lx	PAR: 4853lmW		
		F7+UVFR	1302 μmol @0.2m 81581Lx	Flux: 16699Lm	137W	Turn on the switch UVA and far red
			731 μmol @0.3m 45855Lx	PPF:269 $\mu\text{mol}/\text{s}$		
			318 μmol @0.5m 19908Lx	PAR: 5603lmW		

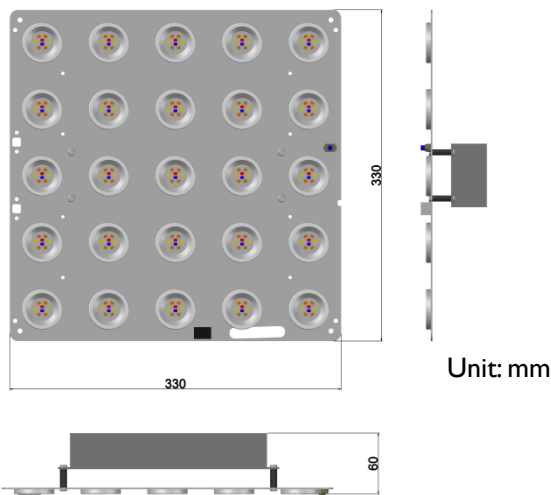
Surface temperature rise T_c 33°K , Operating temperature: -30 °C ~ 40°C , Lifespan: 50,000 hrs (Note: $T_a \leq 25^\circ\text{C}$)

Tolerance range for optical and electrical data: $\pm 10\%$.

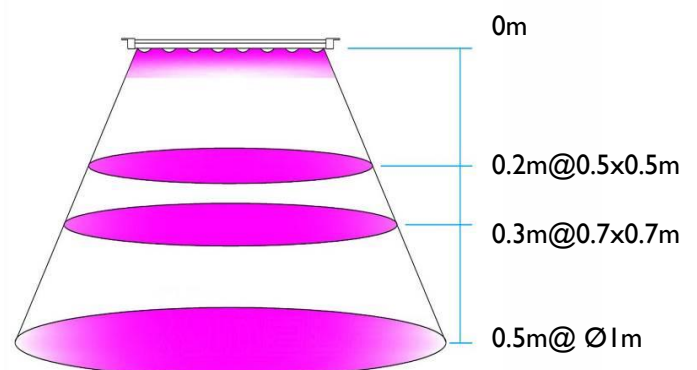
Recommended irradiation distance 0.2-0.5 meters. Suitable for 16"x16", 24" x24", 32" x32" grow tents

The above data is for reference only!

● Dimension:



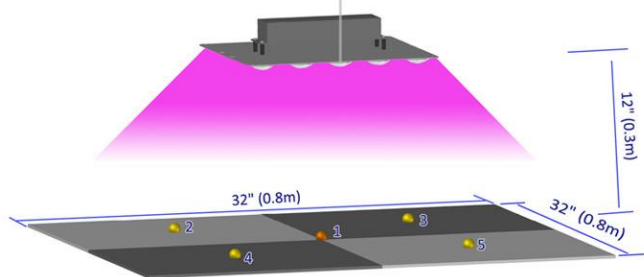
90D Depth distance & Coverage:



- 90D Different LED chips in one lens, Spectral radiation uniform, Lens + Reflector cup, Concentrating radiation, PPFD increased by 38%



Compared with the old version, the lamp bead and power are the same. New version efficiency increased by 20%

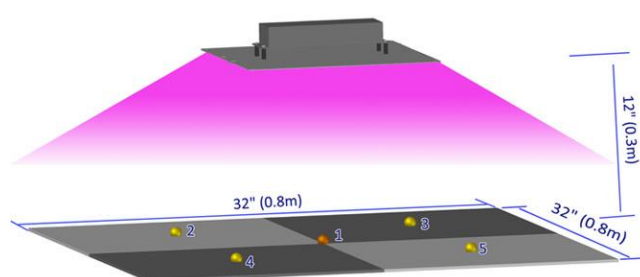


RX-GW45-K330-90D

● Center point test value: $822\mu\text{mol}/\text{m}^2/\text{s}$

● 4-point average: $436\mu\text{mol}/\text{m}^2/\text{s}$

5-point average PPFD: $513\mu\text{mol}/\text{m}^2/\text{s}$

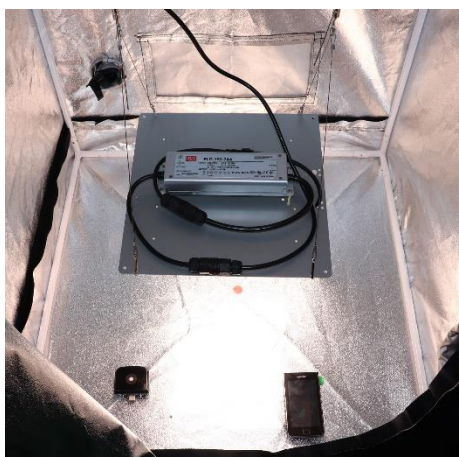


RX-GW45-K330-A

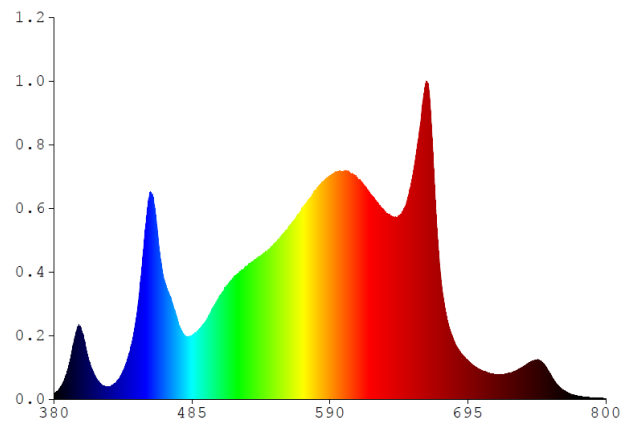
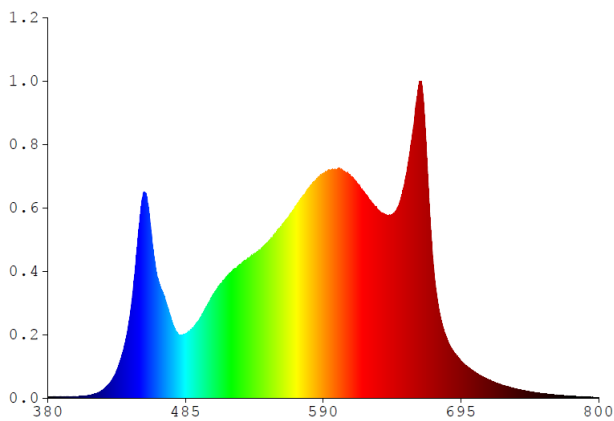
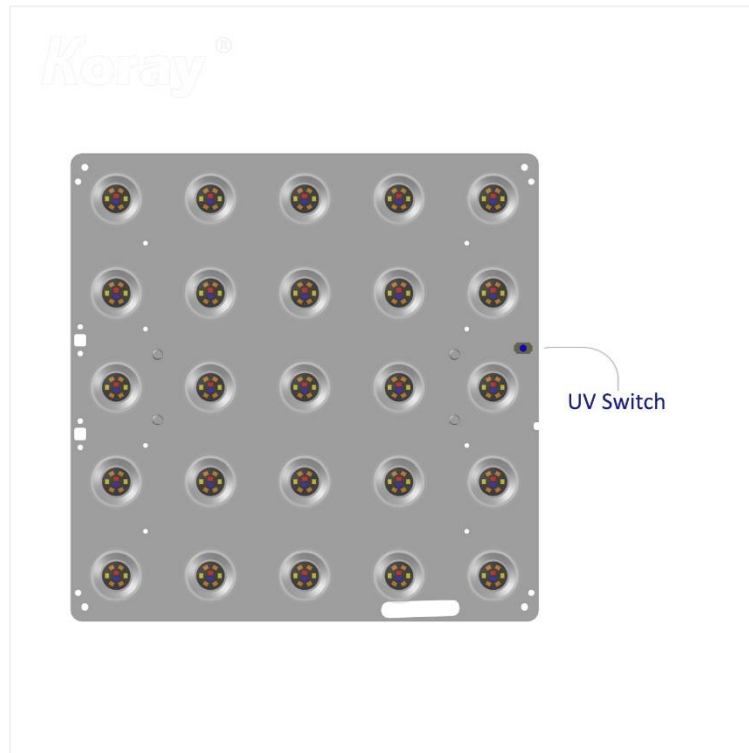
● Center point test value: $598\mu\text{mol}/\text{m}^2/\text{s}$

● 4-point average: $310\mu\text{mol}/\text{m}^2/\text{s}$

5-point average PPFD: $368\mu\text{mol}/\text{m}^2/\text{s}$

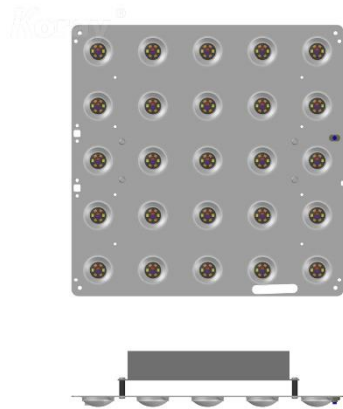


- Optimize the medicinal plant light-recipe, especially add a separate UV FR switch, and turn on the UVA and Far red wavelength LED lamp bead as needed, Stimulate plant stress response. for Vegetative and Flowering & Harvesting stage



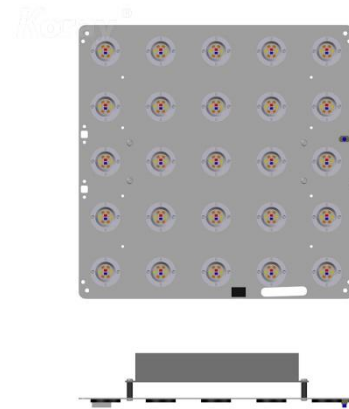
● Type difference

RX-GW45-K330-90D



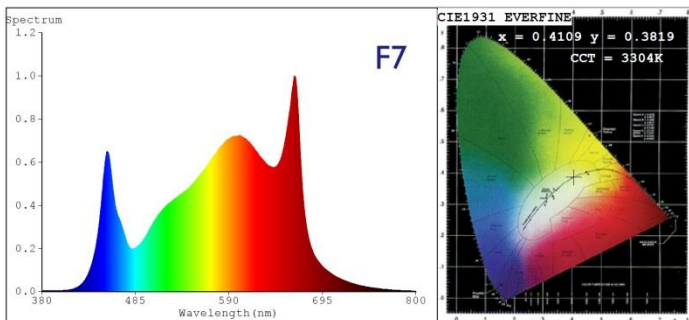
High PPFD type, lens reflector, waterproof

RX-GW45-K330-90



Not waterproof,
increase protection reflector

● Testing report



Color Parameters:

Chromaticity Coordinate: $x=0.4110$ $y=0.3820$ $u'=0.2431$ $v'=0.5084$
 CCT=3303K (Duv=-0.0050) Dominant WL:Ld =583.9nm Purity=38.0%
 Ratio:R=21.9% G=74.7% B=3.3% Peak WL:Lp=663.5nm FWHM=123.2nm
 Render Index:Ra=89.7 AvgR=86.6
 R1 =89 R2 =95 R3 =97 R4 =87 R5 =89 R6 =92 R7 =89
 R8 =79 R9 =54 R10=89 R11=87 R12=75 R13=91 R14=99 R15=87

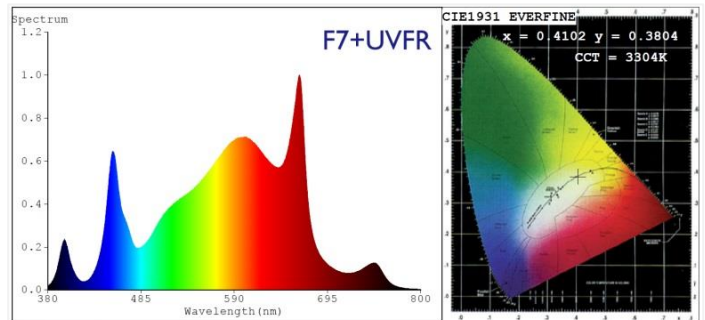
Photo Parameters: **282μmol/s 127W**

Flux = 17661 lm Eff. : 138.50 lm/W Fe = 59.75 W
 Scotopic:27138 S/P:1.5366
 Photosynthetic:PPF:281.82μmol/s PAR WATT:58406mW(400-700nm)

Electrical parameters:

V = 110.98 V I = 1.151 A P = 127.5 W PF = 0.9985
 LEVEL:OUT WHITE:ANSI_3500K

RX-GW45-K330-90-F7 PAR TEST 282μmol/s



Color Parameters:

Chromaticity Coordinate: $x=0.4102$ $y=0.3804$ $u'=0.2433$ $v'=0.5076$
 CCT=3304K (Duv=-0.0056) Dominant WL:Ld =584.2nm Purity=37.3%
 Ratio:R=22.0% G=74.7% B=3.3% Peak WL:Lp=663.5nm FWHM=120.5nm
 Render Index:Ra=90.0 AvgR=87.0
 R1 =90 R2 =95 R3 =97 R4 =87 R5 =90 R6 =92 R7 =90
 R8 =79 R9 =55 R10=89 R11=87 R12=77 R13=91 R14=99 R15=88

Photo Parameters: **269μmol/s 137W**

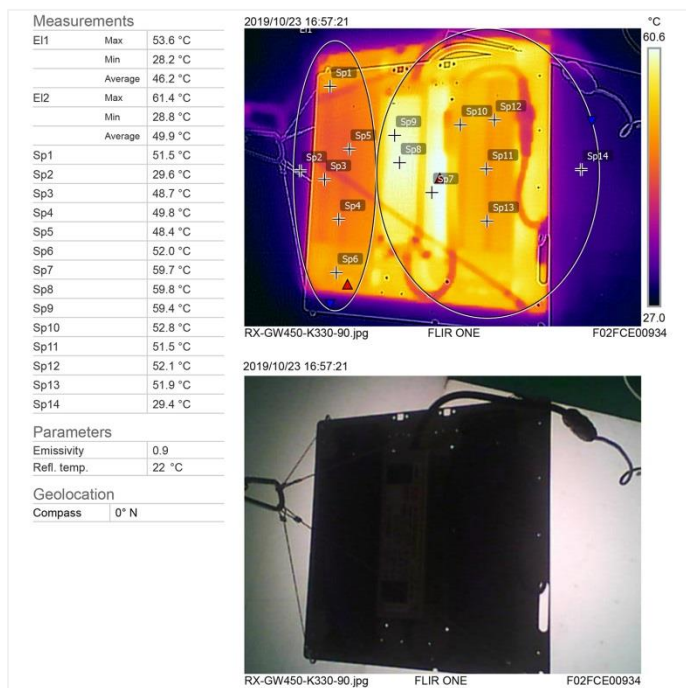
Flux = 16699 lm Eff. : 122.12 lm/W Fe = 59.71 W
 Scotopic:25699 S/P:1.5389
 Photosynthetic:PPF:269.17μmol/s PAR WATT:56031mW(400-700nm)

Electrical parameters:

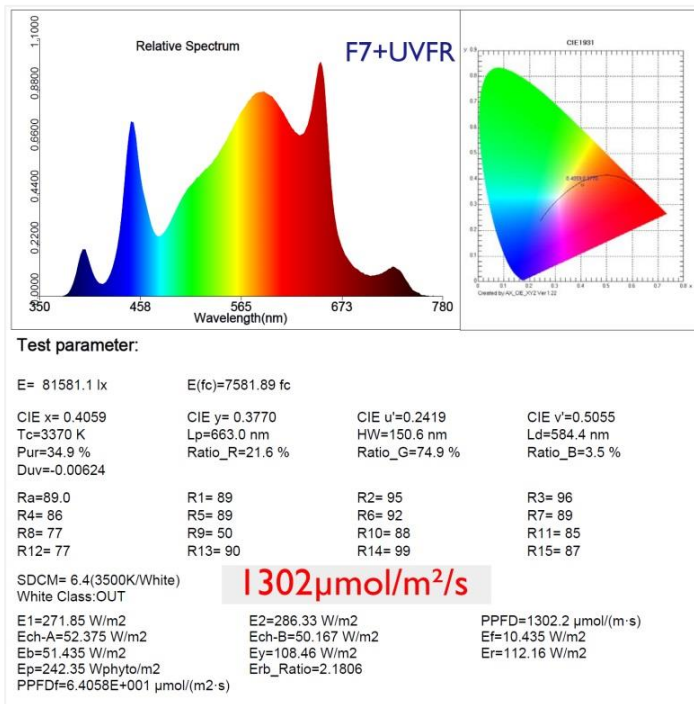
V = 232.00 V I = 0.5971 A P = 136.7 W PF = 0.9872
 LEVEL:OUT WHITE:ANSI_3500K

RX-GW45-K330-90-F7+UVFR PAR TEST 269μmol/s

● Testing report



RX-GW45-K330-90 Surface temperature Test



RX-GW45-K330-90-F7+UVFR PPFD TEST 1302μmol/m²/s



