

Description: RX-GW45-K330 Medicinal plant LED grow Light module horticulture lighting group, Full spectrum, The UV 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>510Micromol 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. Different LED chips in one lens, Spectral radiation uniform, Lens + Reflector cup, Concentrating radiation, PPFD increased by 38%
2. Optimize the medicinal plant light-recipe, especially add a separate UV switch, and turn on the UVA wavelength LED lamp bead as needed, Stimulate plant stress response. for Vegetative and Flowering & Harvesting stage
3. Waterproof IP65 (90D Type)
4. High PAR output, PPFD>800μmol at 12" (0.3m)
5. Meanwell LED Power, long life more reliable
6. Input: AC100~240V, PF >0.9 Power: 120W
7. Long life up to 50,000 hours
8. CE RoHS FCC

Model	Dimension	Peak Wavelength	Photon PPFD μmol/m²/s	Luminous flux Radiation Power	Power Input	Comment
RX-GW45-K330-90D	330x330x68mm 13"x13"x 2.6"	F7+UV	1412μmol @0.2m 88219Lx	Flux: 13826Lm	121W	90D lens reflector High PPFD Waterproof rating IP65
			822μmol @0.3m 51548Lx	PPF:223μmol/s		
			379μmol @0.5m 23842Lx	PAR: 46737mW		
RX-GW45-K330-A		F7+UV	991μmol @0.2m 62606Lx	Flux: 15103Lm	120W	Economic type Not waterproof, no protective reflector
			598μmol @0.3m 37747Lx	PPF:242μmol/s		
			297μmol @0.5m 18760Lx	PAR: 50770mW		
RX-GW45-K330-B		F7+UV	1133μmol @0.2m 72576Lx	Flux: 15322Lm	119W	Not waterproof, increase protection reflector
			657μmol @0.3m 41858Lx	PPF:241μmol/s		
			326μmol @0.5m 20668Lx	PAR: 50498mW		

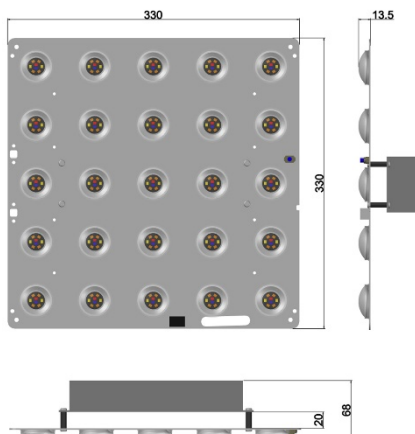
Surface temperature rise Tc 33°K , Operating temperature: -30 °C ~ 40°C , Lifespan: 50,000 hrs (Note: Ta ≤ 25 ° C)

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

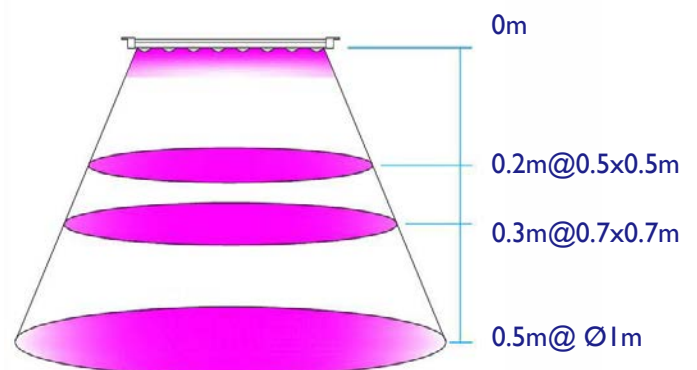
Recommended irradiation distance 0.2-0.5 meters. Suitable for 16"x16", 24" x24", 32" x32" grow tents

The above data is for reference only!

● Dimension:

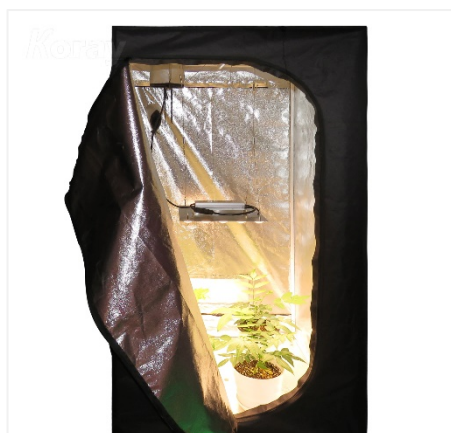
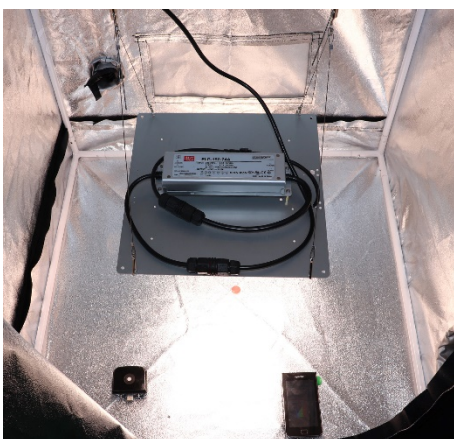
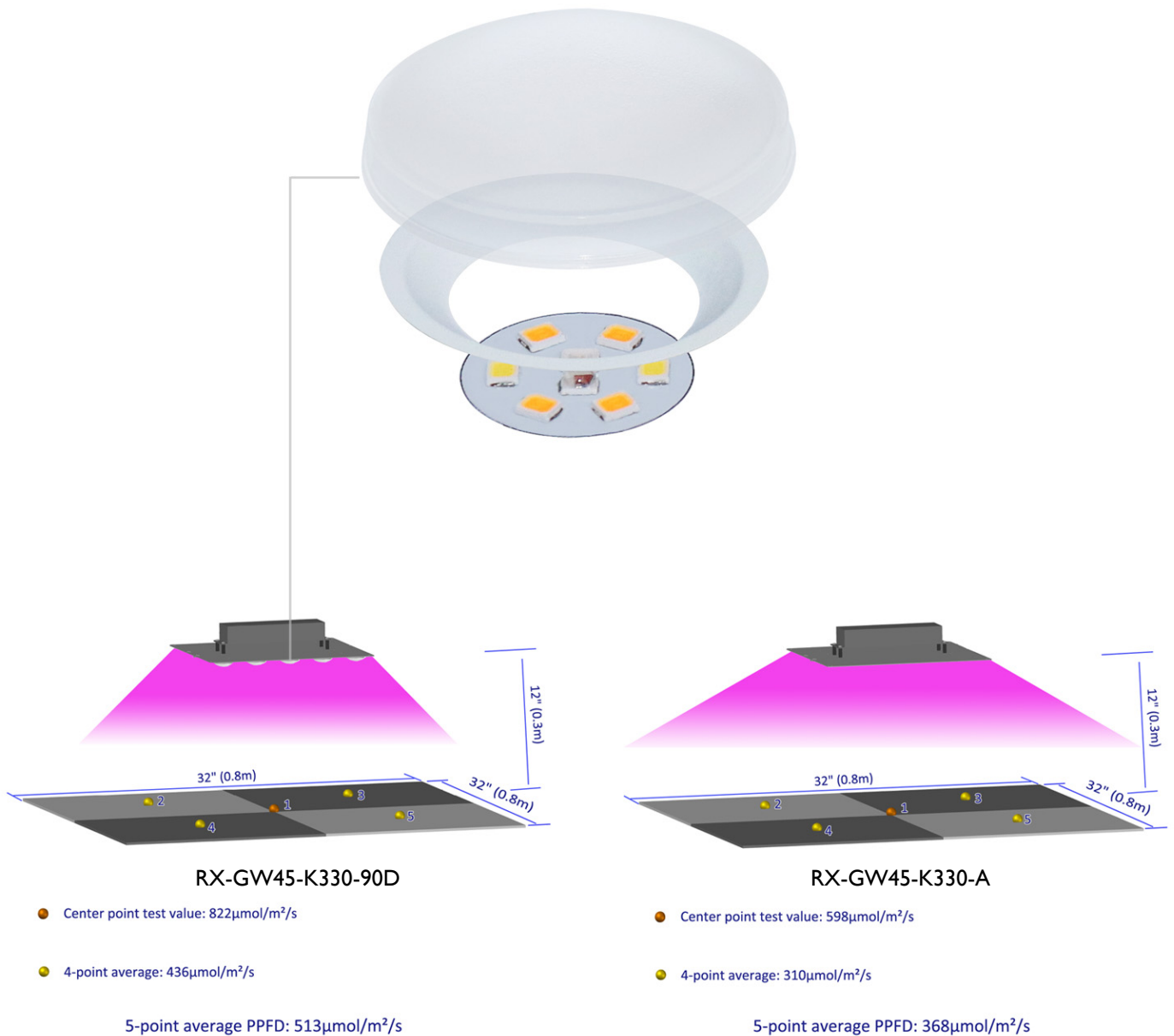


90D Depth distance & Coverage:

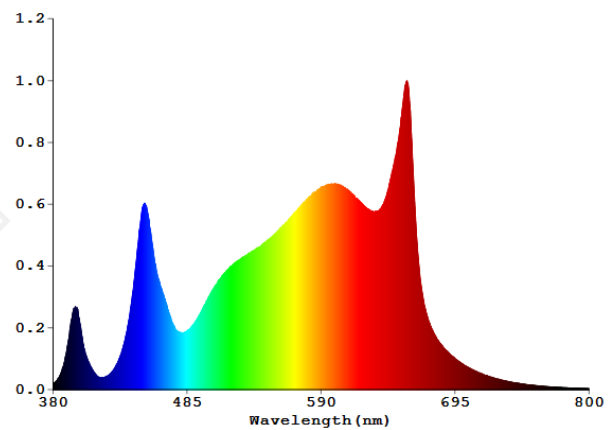
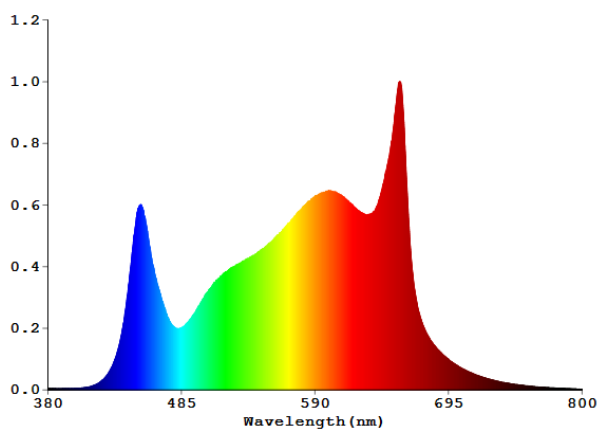
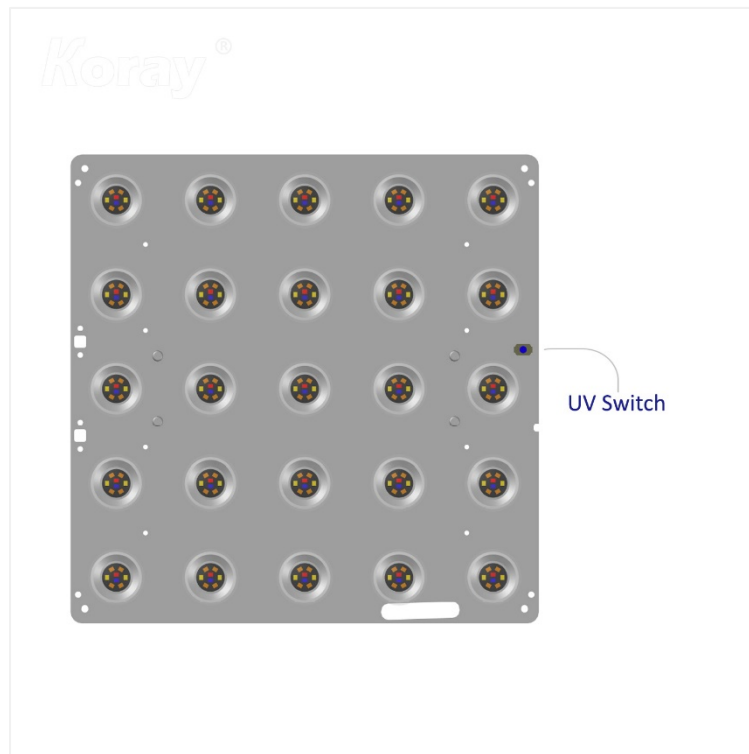


Unit: mm

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

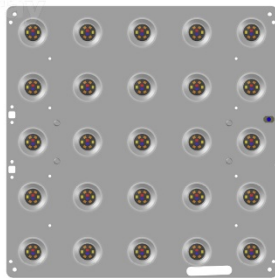


- Optimize the medicinal plant light-recipe, especially add a separate UV switch, and turn on the UVA wavelength LED lamp bead as needed, Stimulate plant stress response. for Vegetative and Flowering & Harvesting stage



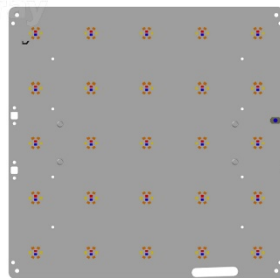
● Type difference

RX-GW45-K330-90D



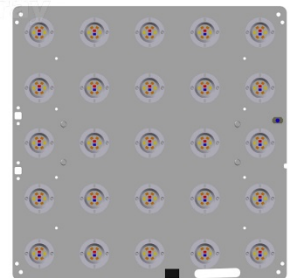
High PPFD type, lens reflector, waterproof

RX-GW45-K330-A



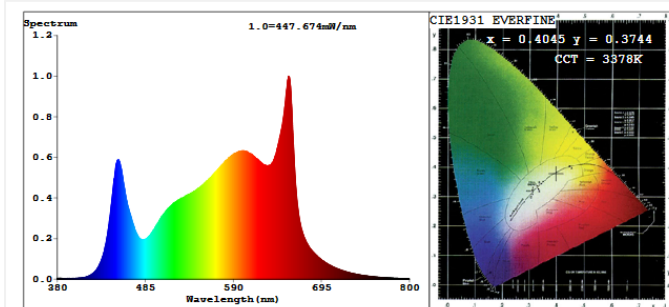
Economic type
Not waterproof, no protective reflector

RX-GW45-K330-B



Not waterproof,
increase protection reflector

● Testing report



Color Parameters:

Chromaticity Coordinate: x=0.4045 y=0.3744/u'=0.2421 v'=0.5042
CCT=3378K (Duv=-0.0071) Dominant WL:Ld =584.9nm Purity=33.8%
Ratio:R=22.2% G=74.2% B=3.6% Peak WL:Lp=655.8nm FWHM=101.1nm
Render Index:Ra=93.8 AvgR=92.0
R1 =94 R2 =97 R3 =97 R4 =92 R5 =95 R6 =94 R7 =92
R8 =88 R9 =75 R10=94 R11=93 R12=80 R13=96 R14=99 R15=94

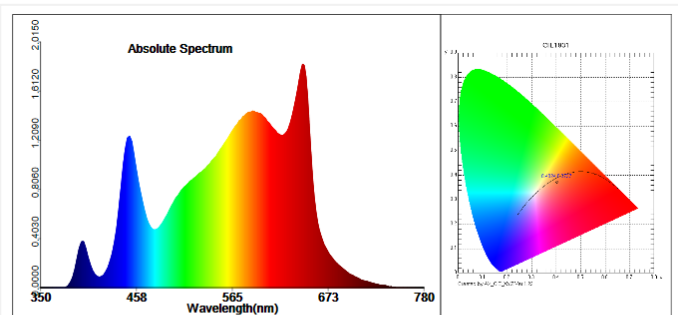
Photo Parameters:

Flux = 15839 lm Eff. : 131.11 lm/W Fe = 53.65 W
Scotopic:25413 S/P:1.6044
Photosynthetic:PPF:251.85umol/s PAR WATT:52536mW (400-700nm)

Electrical parameters:

V = 231.23 V I = 0.5281 A P = 120.8 W PF = 0.9893
LEVEL:OUT WHITE:OUT

RX-GW45-K330-A-F7 PAR TEST 252μmol/s

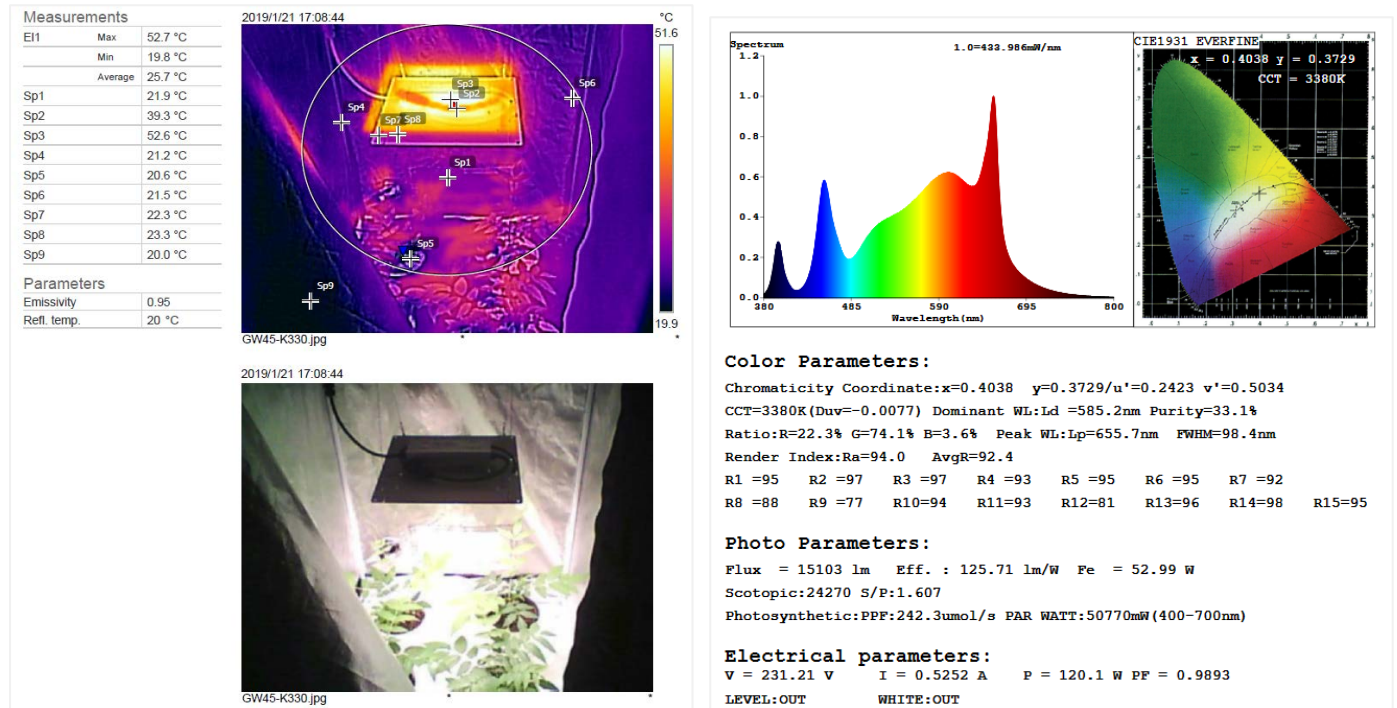


Test parameter:

E= 88218.8 lx E(fc)=8198.77 fc
CIE x= 0.4024 CIE y= 0.3727 CIE u'=0.2414 CIE v'=0.5031
Tc=3409 K Lp=658.0 nm HW=135.9 nm Ld=585.0 nm
Pur=32.6 % Ratio_R=21.9 % Ratio_G=74.4 % Ratio_B=3.7 %
Duv=-0.00747
Ra=92.3 R1= 93 R2= 97 R3= 97
R4= 90 R5= 93 R6= 94 R7= 91
R8= 84 R9= 67 R10= 93 R11= 90
R12= 81 R13= 94 R14= 99 R15= 92
SDCM= 7.8(3500K/White)
White Class:OUT
E1=295.93 W/m2 E2=304.25 W/m2 PPFD=1412.4 μmol/(m·s)
Ech-A=54.008 W/m2 Ech-B=56.994 W/m2 Ef=4.5392 W/m2
Eb=58.795 W/m2 Ey=116.65 W/m2 Ef=120.72 W/m2
Ep=262.65 W/m2 Erb_Ratio=2.0533
PPDF=2.7414E+001 μmol/(m2·s)

RX-GW45-K330-A PPFD TEST 1412μmol/m²/s

● Testing report



Surface temperature Test

RX-GW45-K330-A PAR TEST 242μmol/s

- If you need a higher PPFD, you can adjust the power supply current to 150W. This requires an extra heat sink. It is not covered by the warranty. For details, please contact Koray.

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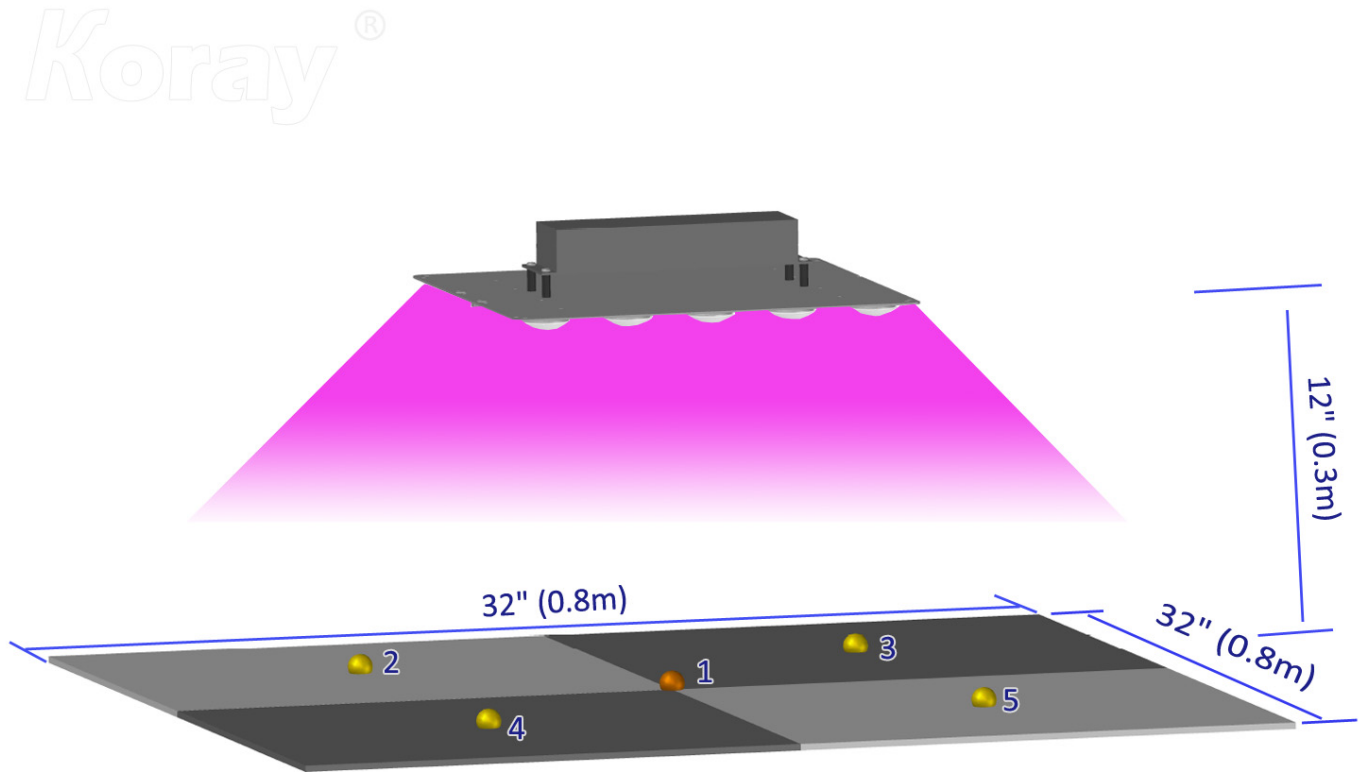




Kit includes: LED Module, Power supply, Mounting screws, Hanging wire rope Kit



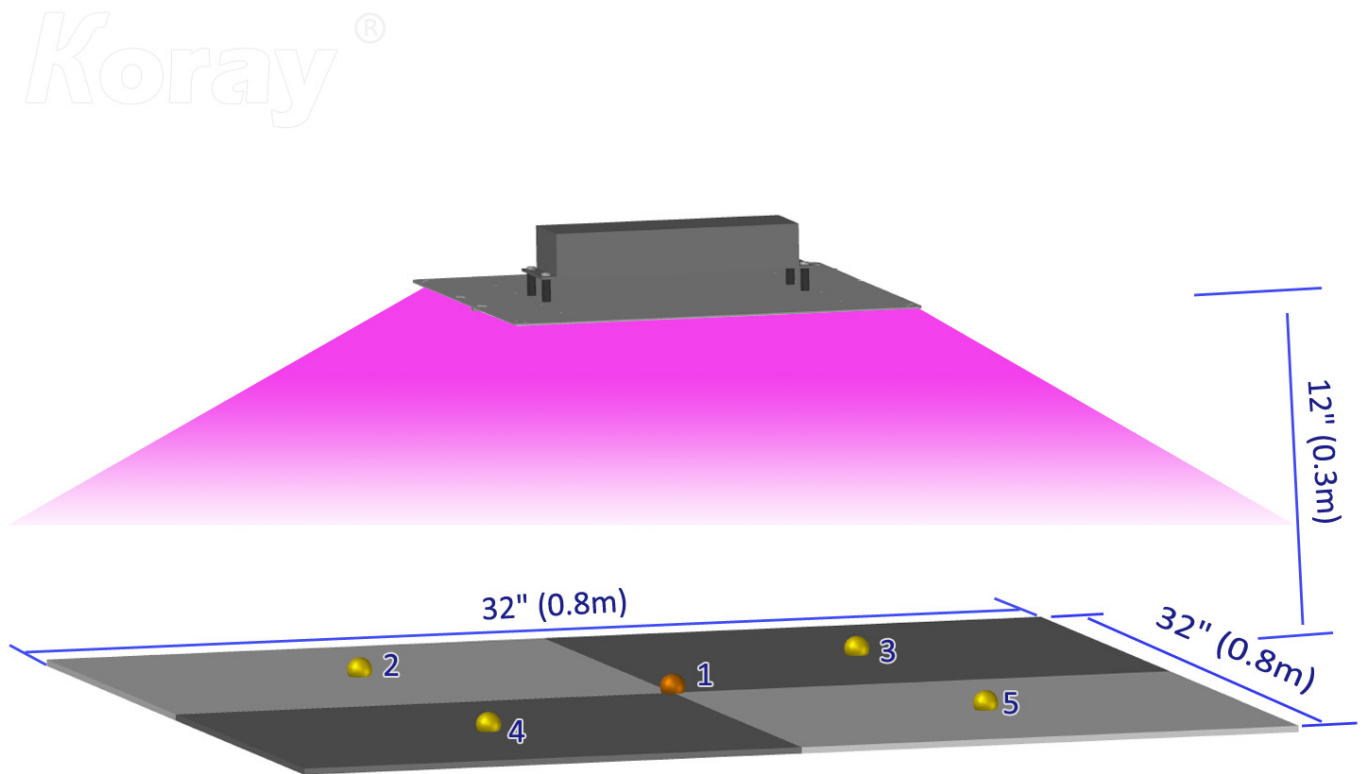




● Center point test value: $822\mu\text{mol}/\text{m}^2/\text{s}$

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

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

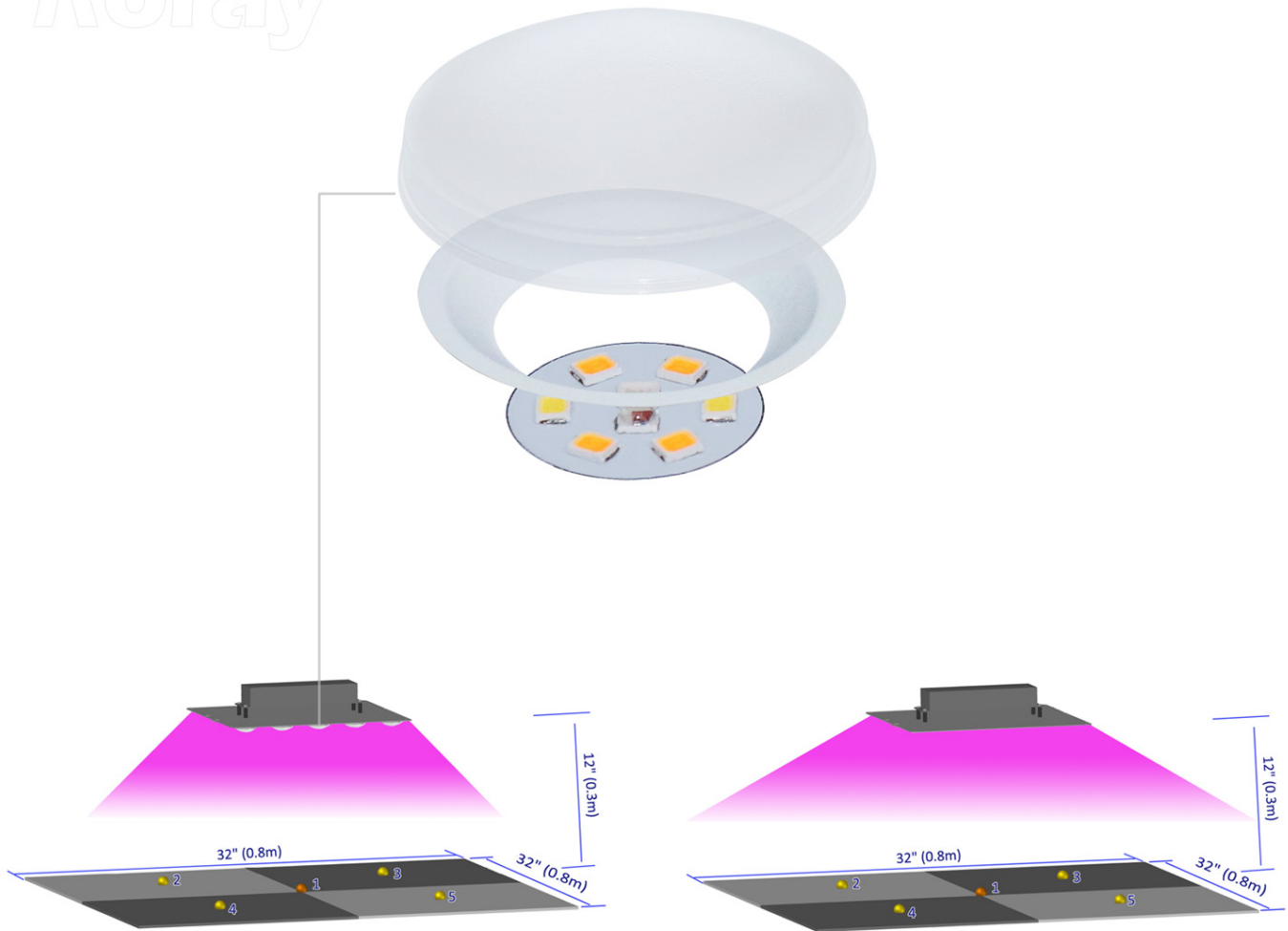


● Center point test value: $598\mu\text{mol}/\text{m}^2/\text{s}$

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

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

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

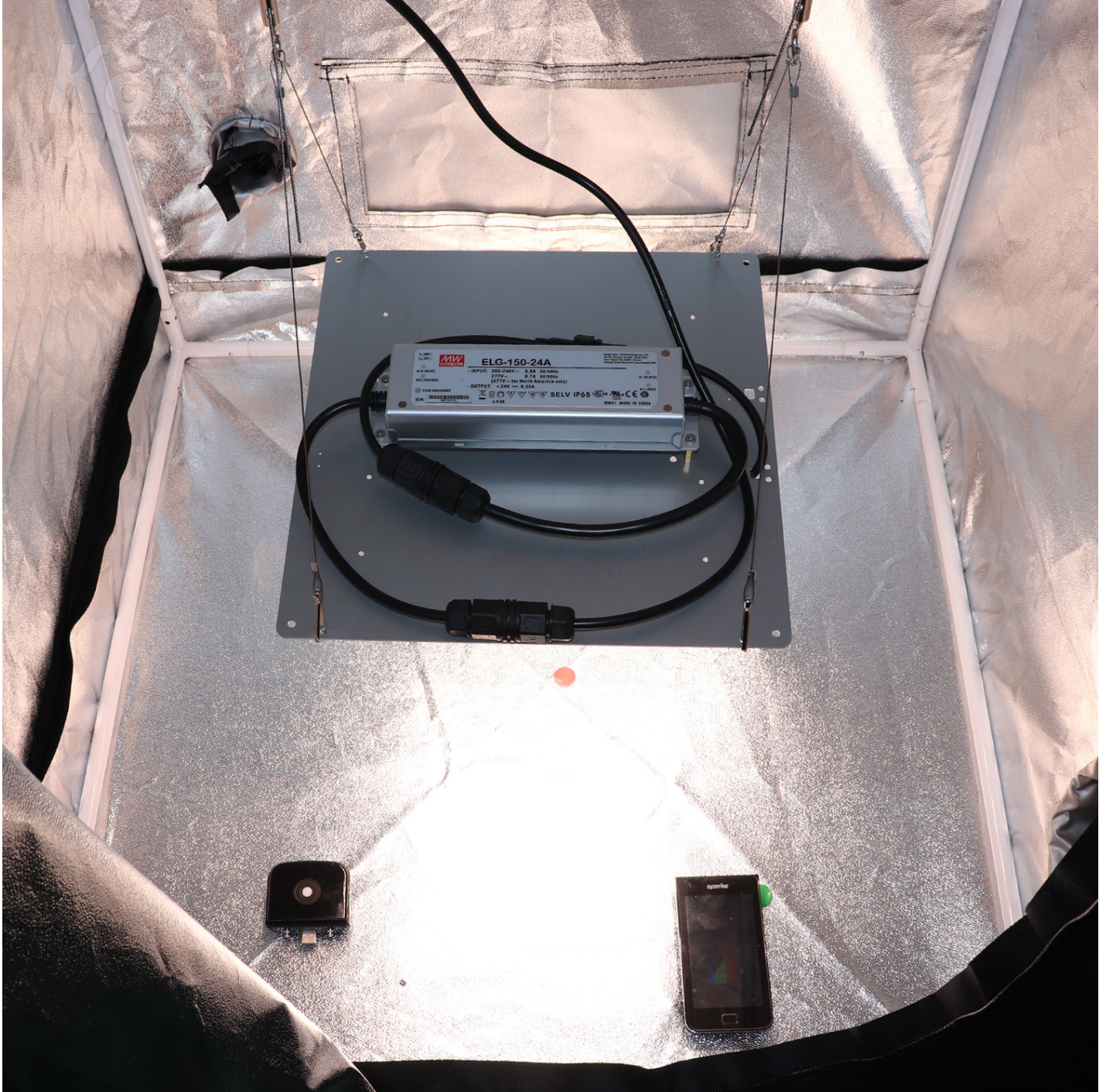
● 4-point average: 436 $\mu\text{mol}/\text{m}^2/\text{s}$

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

● 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 $\mu\text{mol}/\text{m}^2/\text{s}$







Horticulture LED Module Medicinal plants grow - Plant tent special plant grow lights

MODEL: RX-GW45-K330 Http: www.koraylight.com
