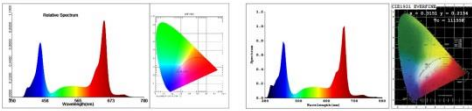


Description: KR-GK-200W Super High PAR output medicinal plant grow light, High PAR output, PPFD>>510µmol, 200W far exceeds similar 1000W products. D4 Full spectrum, Range from UV to IR, ideal for medical plant growth. The D4 spectrum has been extensively tested and is 100% effective against medicinal plants, it has the biggest contribution for plants and useful for increasing the harvest. Medicinal plant specific spectrum - Suitable for grow tents and basement planting, Plant crops in a place without sunlight.



1. Basement, grow tent planting medicinal plants
2. 200W far exceeds similar 1000W products? Energy Saving >100%
3. D4 Spectrum - Dedicated to medicinal and medical plant growth
4. Meet the safety requirements around the world
5. Meanwell HBG LED Power, long life more reliable
6. Waterproof IP65, Can be used in humid environments
7. Fanless design, more reliable, longer life
8. Recommended irradiation distance of 0.5 ~ 2 m
9. Input: AC90~305V, PF >0.9 Power:200W
10. Long life up to 50,000 hours
11. CE RoHS FCC

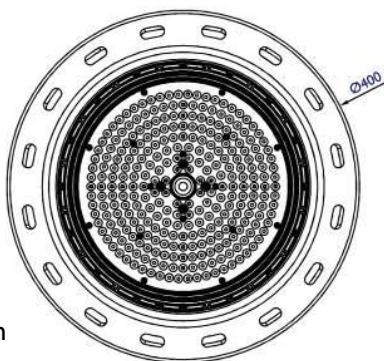
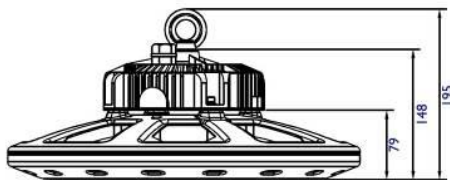
Model	Dimension	Peak Wavelength	Photon PPFD µmol/m²/s	Luminous flux Radiation Power	Power Input	Comment
KR-GK-200W-D4-60D	Ø400mm H195mm 4.5Kg	395nm 420nm 450nm 6000K 625nm 660nm 730nm	1600µmol @0.5m 47480Lx	Flux 9749Lm Fe 65.8W	200W AC230V	Light emitting angle: 60° Suitable for higher space locations
			430µmol @1m 12834Lx			
			107µmol @2m 3158Lx			
KR-GK-200W-D4-90D			880µmol @0.5m 27000Lx	Flux 10103Lm Fe 68W	200W AC230V	Light emitting angle: 90° For Plant Grow Tents
			224µmol @1m 7168Lx			
			57µmol @2m 1855Lx			

Surface temperature rise Tc 48°K , Operating temperature: -30°C ~ 40°C , Lifespan: 50,000 hrs (Note: Ta ≤ 25°C)

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

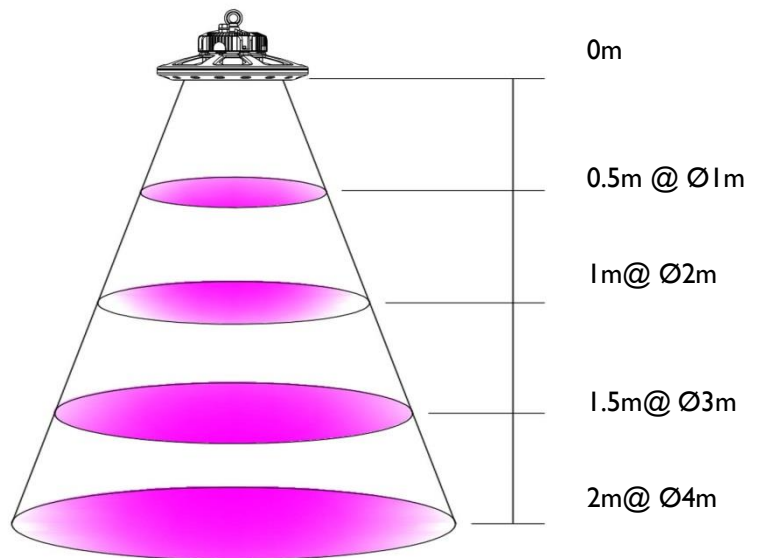
Note: 420nm and 395nm LED chips from Taiwan, Other LEDs using German brands Horticultural LED

Dimension:



Unit: mm

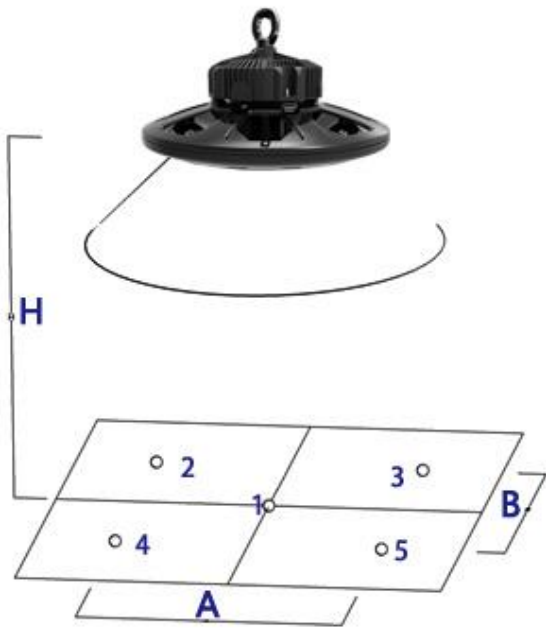
Depth distance & Coverage:



KR-GK-200W-90D

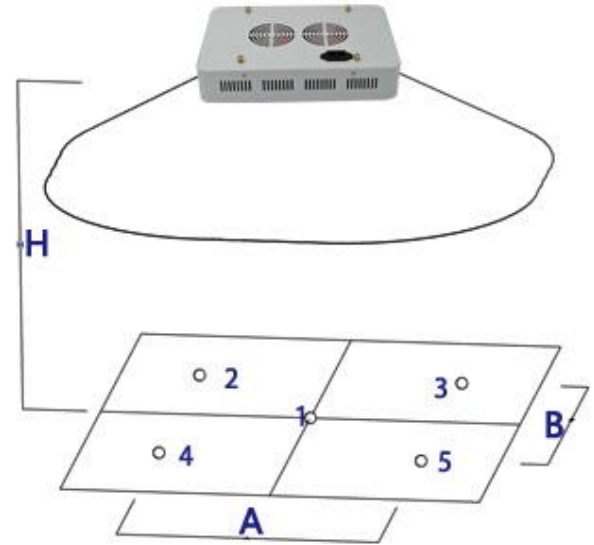
PAR output comparison test

High PAR output 200W=1000Wx2



KR-GK-200W-D4-90D

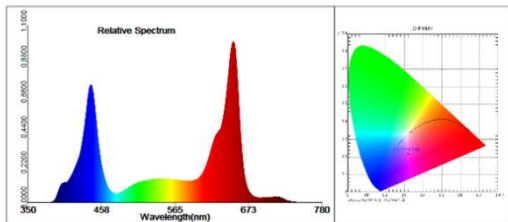
PK



1000W LED Grow Light

Product Name Model	KR-GK-200W-D4-90D		1000W LED Grow Light	
Test Height	0.5m	0.7m	0.5m	0.7m
Distance A	0.45m	0.45m	0.45m	0.45m
Distance B	0.45m	0.45m	0.45m	0.45m
PAR Output PPF D I	1200 μ mol/m ² /s	579 μ mol/m ² /s	384 μ mol/m ² /s	285 μ mol/m ² /s
PAR Output PPF D 2,3,4,5	580 μ mol/m ² /s	475 μ mol/m ² /s	203 μ mol/m ² /s	176 μ mol/m ² /s
Test Grow Tent Size	0.8x0.8x1.6m	0.8x0.8x1.6m	0.8x0.8x1.6m	0.8x0.8x1.6m
Actual Power	200W AC230V		200W AC230V	

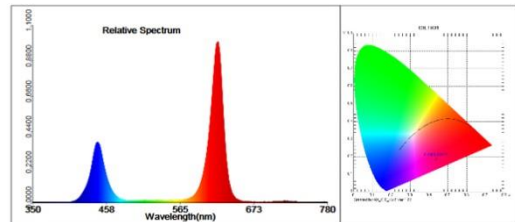
The above data are tested inside a plant grow tent.



Test parameter:

E= 18849.2 lx E(tc)=1751.79 fc
 CIE x= 0.3224 CIE y= 0.2186 CIE u=0.2590 CIE v=0.3952
 Tc=8163 K Lp=665.0 nm HW=26.5 nm Ld=380.0 nm
 Pur=31.6 % Ratio_R=29.3 % Ratio_G=64.6 % Ratio_B=6.0 %
 Duv=-0.07477
 Ra=21.4 R1= 9 R2= 61 R3= 35
 R4= 2 R5= 19 R6= 67 R7= 41
 R8= 63 R9= 296 R10= 39 R11= -5
 R12= 59 R13= 20 R14= 57 R15= 45
 SDCM=56.5(F5000)
 White Class:OUT
 E1=122.58 W/m2 E2=125.76 W/m2 PPF D=579.33 μ mol(m² s)
 Ech-A=31.541 W/m2 Ech-B=28.939 W/m2 Ef=2.3357 W/m2
 Eb=40.751 W/m2 Ey=21.528 W/m2 Er=60.339 W/m2
 Ep=105.1 Wphyto/m2 Erb_Ratio=1.4807
 PPF Df=1.4225E+001 μ mol(m2 s)

RX-GK-200W 0.7M Teat 0.8x0.8x1.6m Tents



Test parameter:

E= 9355.9 lx E(tc)=869.507 fc
 CIE x= 0.4369 CIE y= 0.1872 CIE u=0.3996 CIE v=0.3853
 Tc=1197 K Lp=633.0 nm HW=20.6 nm Ld=610.2 nm
 Pur=53.7 % Ratio_R=79.7 % Ratio_G=14.4 % Ratio_B=5.9 %
 Duv=0.10125
 Ra=2.0 R1= 55 R2= 2 R3= 37
 R4= 56 R5= 15 R6= 100 R7= 17
 R8= 31 R9= 44 R10= 98 R11= 75
 R12= 408 R13= 18 R14= 34 R15= 73
 SDCM=111.3(F2700(Note1))
 White Class:OUT
 E1=59.378 W/m2 E2=59.812 W/m2 PPF D=285.4 μ mol(m² s)
 Ech-A=0.6859 W/m2 Ech-B=10.304 W/m2 Ef=0.42448 W/m2
 Eb=17.249 W/m2 Ey=2.535 W/m2 Er=39.606 W/m2
 Ep=53.521 Wphyto/m2 Erb_Ratio=2.2961
 PPF Df=2.5184E+000 μ mol(m2 s)

1000W 0.7M Teat 0.8x0.8x1.6m Tents