光盉 GUANG HE

Greenhouse 100W Grow Light



MODLE: GHGKSZ100

The lamp body is made of high quality aviation aluminum, which is stable and safe.The product has the advantages of long life, low light decay, no radiation, low energy consumption and so on, and can replace high pressure sodium lamp.Easy to install, safer to use, waterproof grade up to IP65.It can be widely used in agricultural production to improve the income of farmers.

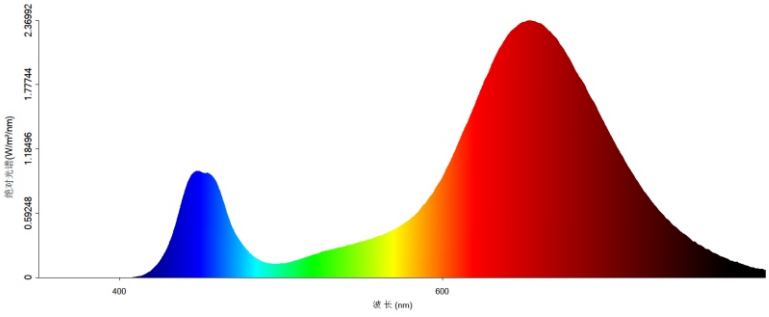
Main feature

- Phosphor technology adjusts the spectrum to meet the needs of crops in different growth stages.
- Safety, high waterproof performance, easy installation, remarkable heat dissipation effect, strong durability.
- Can be customized according to customer planting crops needs.

Application area

- High-end gardening
- laboratory
- High-end greenhouse
- Winter warm greenhouse
- Glass greenhouse

Absolute spectral curve



Applicable crops

- Cherry planting
- Grapes grow
- Pitaya cultivation
- High-end fruit crop
- All kinds of vegetables
- Hemp Plantation

Plant lamp parameter

Power	Lamp bead amount	Irradiated area	Weight	Size	Color
100W	100PCS	20-25㎡	1.5Kg	24*23cm	Red

Greenhouses
100W Grow Light

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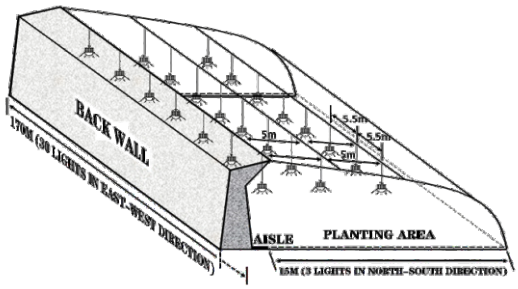
Technical specification

Input voltage	85-265V
Working current	1200mA
Lamp bead types	3030
The chip brand	Taiwan wafer
Red & blue proportion	4-7:1
Peak wavelength	Blue:440-470,Red:630-670
Shell material	Aluminum
Installation height	2-2.5 meter/6.56-8.20 ft
Power factor	0.9
Working frequency	50-60hz
Wire	Gold wire
Color temperature	1700K
Light Angle	120°
Work environment	-20°C~60°C

Standard configuration

- **Plant lamp body**
- **Hoisting snap ring**

Installation diagram



We can provide customized products according to customer requirements

Test parameter:

R15= 80

E= 38501.6 lx

CIE x= 0.4569
Tc=1725 K
Lc=---
Ratio_B=3.0 %

CIE y= 0.2850
Lp=649.0 nm
Pur=32.6 %

CIE u'=0.3319
HW=102.1 nm
Ratio_R=45.2 %

CIE v'=0.4658
Ld=700.0 nm
Ratio_G=51.8 %

S/P=1.22
R3= 72
R7= 71
R11= 90

Ra=75.6
R4= 92
R8= 91
R12=-20

R1= 83
R5= 75
R9= 82
R13= 74

R2= 72
R6= 50
R10= 45
R14= 88

SDCM= 0.3()
White Class:OUT

E1(400-700nm)=214.53 W/m²
Ech-A=54.619 W/m²
Eb=32.278 W/m²
Ep=195.81 Wphyto/m²
PPFDf=1.7980E+002 μmol/(m²·s)
PPFD(Eq)=1087.1 μmol/(m²·s)

E2(380-780nm)=246.57 W/m²
Ech-B=44.037 W/m²
Ey=35.504 W/m²
Erb_Ratio=4.5494

Ef=29.606 W/m²
Er=146.84 W/m²