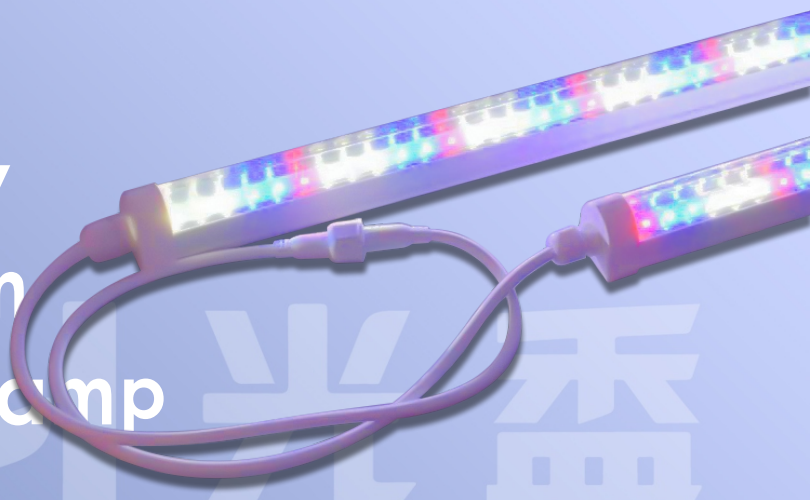
光盉 GUANG HE

Plant Factory Vertical Farm Waterproof lamp



MODLE: GHXN01

The material of the lamp body is made of high-quality aviation aluminum, which is stable and safe. Using imported chips and self-developed LED phosphors, the product has a large luminous surface and maximizes the photosynthesis of crops within the effective area, thereby promoting crop growth. The installation is more convenient, the use is safer, and the waterproof level can reach Ip65.

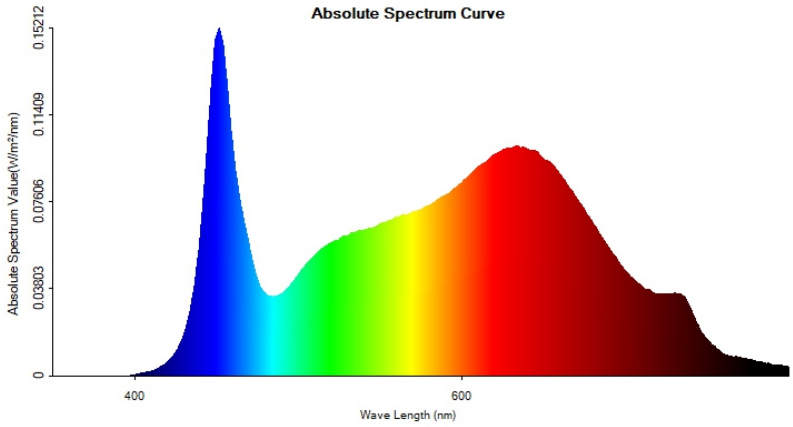
Main feature

- 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
- Vertical farm
- Plant factory

Absolute spectral curve



Applicable crops

- Tissue culture seedling
- Seedling cultivation

Plant lamp parameter

Power	Lamp bead amount	Irradiated area	Weight	Size	Color
18W-36W	24-125PCS	0.3-0.6㎡	0.3Kg	0.3-1.5m	Red/custom

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www.sdxsgd.com

Technical specification

Input voltage	85-265V
Working current	1200mA
Lamp bead types	3030/2835/5730 custom
The chip brand	Sanan
Red & blue proportion	4-7:1
Peak wavelength	Blue:440-470,Red:630-670
Shell material	Aluminum
Installation height	0.3-0.5 m /12-20 in
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= 81 E= 5151.5 lx

CIE x= 0.3677 CIE y= 0.3244 CIE u'=0.2389 CIE v'=0.4742
Tc=3944 K Lp=452.0 nm HW=22.9 nm Ld=700.0 nm
Lc=--- Pur=8.7 % Ratio_R=23.2 % Ratio_G=71.9 %
Ratio_B=4.9 %

S/P=1.91 Ra=90.2 R1= 87 R2= 90
R3= 96 R4= 91 R5= 88 R6= 87
R7= 97 R8= 88 R9= 64 R10= 84
R11= 88 R12= 77 R13= 86 R14= 97

SDCM= 0.3()
White Class:OUT

E1(400-700nm)=19.871 W/m² E2(380-780nm)=21.877 W/m²
Ech-A=3.4062 W/m² Ech-B=4.5079 W/m² Ef=1.8484 W/m²
Eb=4.8715 W/m² Ey=6.618 W/m² Er=8.3941 W/m²
Ep=17.404 Wphyto/m² Erb_Ratio=1.7231
PPFDf=1.1265E+001 μmol/(m²·s)
PPFD(Eq)=94.538 μmol/(m²·s)