



PIONEER OF SMART AGRICULTURE SOLUTIONS



Shenzhen VANQ Technology Co., Ltd.

ABOUT VANQ

INTRODUCTION

Since its establishment in 2009, VANQ has always been at the technological forefront of smart agriculture, concentrating on creating cutting-edge plant lighting solutions for a variety of industries. We are not only a product provider, but also an explorer and pioneer in the field of smart agriculture.

We are well aware of the various pain points and problems faced in cultivation, therefore we bring market-leading cannabis grow lights, hydroponics grow lights, and advanced control systems to growers. And also we have plant growth protection products and accessories for choice, we can provide one-stop-shopping solution to smart cultivation.

VANQ is always customer-focused, and whether you're struggling in the field of cannabis cultivation, plant factories, container growing, or hydroponic growing, we have well-prepared, innovative, and holistic solution strategies to help you overcome every challenge in growing.



PLANT GROW LIGHT

INTRODUCTION

In the context of increasing demand for crops and decreasing arable land, experts point out that light is a key factor affecting plant growth. Therefore, plant growth lights came into being to provide the best spectrum for commercial farms to plant factories, simulate natural light, and support photosynthesis. Make sure your plants are growing under optimal lighting conditions to provide an optimal growing environment for your plants.



VQ-GLMX1000C

1000W LED grow light

GLMX1000C is one of our most powerful LED grow light, which can fit for commercial cultivation and grow tent. It is made of good quality diodes and brand driver, CE and RoHS certificate. Waterproof design makes it can used in wet environment (between -20 ° C ~ 45 ° C). Every light can support separately dimming by built-in knob and also daisy chain connection controller by light dimmer.

Input Power 1000W@110-277VAC	Efficacy 2.9 μmol/J
Dimension 111 cm L x 101 cm W x 8.4 cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 2900 μmol/s



VQ-GLOC1200A10

1200W Foldable LED Grow Light

VQ-GLOC1200A10 cannabis grow light, with overlapping design, high-efficiency UL certified driver, 2.9μmol/J ultra-high PFE, and intelligent dimming system to meet the full cycle growth needs of plants. The width of the light reaches 1.8 meters, which can reduce the number of installed lights, thereby saving installation time and labor cost.

Input Power 1200W@110-277VAC	Efficacy 2.9 μmol/J
Dimension 180cm L x 110cm W x 6.3cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 3480 μmol/s



VQ-GLOC800A08

800W Foldable LED Grow Light

VQ-GLOC800A08 adopts a folding design: 180 ° folded in half, opened and hung directly, easy to install; it adopts a customized waterproof driver, which is UL certified, efficient and stable; the surface of the light source is glued and waterproof, and the LED has zero light loss output, up to 2.9μmol/J; Flexible intelligent control system (with independent dimming knob and RJ45 port): stepless dimming to meet the full-cycle light quality needs of various crops from growth to flowering

Input Power 800W@110-277VAC	Efficacy 2.9 μmol/J
Dimension 111.5cm L x 111cm W x 9.3cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 2320 μmol/s



VQ-GLOC1600B16

1600W Foldable LED Grow Light

VQ-GLOC1600B16 cannabis grow light, bi-folding design, minimalist installation, efficient waterproof driver, light efficiency up to 2.9μmol/J. Equipped with an intelligent dimming system to meet the needs of the entire cycle from growth to flowering. The width of the light reaches 2.1 meters, which can greatly reduce the number of installed lights and greatly save installation time and labor cost.

Input Power 1600W@110-277VAC	Efficacy 2.9 μmol/J
Dimension 210cm L x 111cm W x 7cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 4640 μmol/s



VQ-GLOC200A04

200W LED Seedling Light

VQ-GLOC200A04 is foldable design, 180 ° folded in half, open and hang directly, easy to install. Used of customized waterproof driver, UL certified, efficient and stable. The surface of the light source is glued and waterproof, and the LED has high output, up to 2.9μmol/J. Flexible intelligent control system (with independent dimming knob and RJ45 port): stepless dimming to meet the periodic light quality needs of various crops from seedlings to growth.

Input Power 200W@110-277VAC	Efficacy 2.9 μmol/J
Dimension 57.5cm L x 54.5cm W x 8.5cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 580 μmol/s

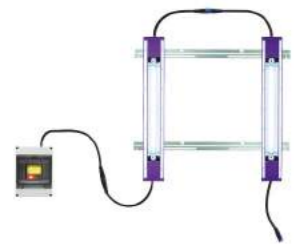


VQ-GLTF800

800W LED Top Grow Light

VQ-GLTF800 can 1:1 replace HPS grow light. Compatible with older HPS wiring and electrical. Installation is simple and direct, no need to change the circuit layout. Wide angle optical design, wide light distribution, uniform crop growth; matching HPS lighting angle, light distribution is wide and uniform, so that crops grow more uniformly, flexible intelligent control system (with independent dimming knob and RJ14 port); stepless dimming to meet the light quality needs of various crops from growth to flowering; structural waterproof design suitable for more complex environments.

Input Power 800W@110-277VAC	Efficacy 2.7 μmol/J
Dimension 73 cm L x 31.5cm W x 11cm H	Dimming 0-10V
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Light Output PPF 2160 μmol/s



VQ-GLCP-044UF

UV Bloom Light Kit

The flowering lights provide the best lighting for plants, independent FR and UV circuit technology, achieving a perfect range from 340nm UVA 310nm UVB to 730nm FR, ensuring uniform and efficient light. One-key control function allows you to easily manage all lamps. It supports connecting 20 devices at the same time, making maintenance simple and parts replacement easy. It also comes with a variety of timing modes to meet the diverse needs of growers

Input Power 44W@110VAC/220VAC	spectrum UVA+UVB+FR
Dimension 44.5 cm L x 47.2cm W x 4.2cm H	Radiation intensity 6500uw/cm² (surface)
Working temperature -20°C ~ 45°C -4°F ~ 113°F	Weight 850g 1.87lbs

CONTROL SYSTEM

INTRODUCTION

With the integration of technology and agriculture, planting is no longer completely dependent on nature. Whether you are growing indoors or commercially, the new plant growth control system provides you with sunrise and sunset modes to simulate real light and ensure that plants grow under optimal conditions. The simple and intuitive interface makes operation easy, and the built-in timing function, temperature and humidity control, and 0-100% dimming function meet the needs of plants at various growth stages. Choose us to ensure a bountiful harvest for every planting!

MASTER CONTROL

Wireless series



Wireless Master Controller

VQ-MG483

It uses a built-in timer to accurately control the lighting time, and real-time temperature and humidity monitoring and adjustment to ensure the best growing environment. Supports 0-100% dimming, sunrise and sunset simulation, and convenient wireless remote control.



Wireless Master Controller

VQ-M2820

It has a 0-100% dimming function to meet the needs of plants at different growth stages. Sunrise and sunset mode simulates natural light and combines with APP intelligent control to achieve remote management



Manual Knob + APP Master Controller

VQ-MQ1B1

Supports multi-block adjustment design to meet the light needs of plants at different growth stages. There is no limit to the number of connected lamps, and the dual control mode supports APP automated operation and manual knob real-time adjustment.

Wired series



Wired Master Controller

VQ-MG482

It integrates precise time control, multi-channel dimming and temperature and humidity control functions to ensure the best growing environment for plants. The sunrise and sunset mode simulates natural light and supports a variety of lamps and signal types to meet the diverse needs of growers.



Wired Master Controller

VQ-M3001

It adopts dual temperature protection to ensure stable plant growth. It has timing and sunrise and sunset simulation functions to simulate the natural lighting environment. The low-voltage design ensures safe use and easy operation.



C-terminal External Display Master Controller

VQ-ME1B1

Equipped with dual-channel controlled, one as switched on/off, another as dimmable lights. Built-in real-time clock, settings will not be lost after power outage. Realize cycle timing and unattended intelligent lighting.



VD100 Dimmer

VQ-VD100

Supports 11 levels of precise lighting adjustment to ensure stable and accurate lighting. Compatible with various 0-10V power supplies to achieve automated management. The sunrise and sunset mode further simulates the natural environment and creates the best growing atmosphere for plants.



VD500 Dimmer

VQ-VD500

Equipped with 0-10V multi-level dimming function, it supports group control, Controlled lamp quantities more than 100pcs settings and sunrise and sunset simulation functions, providing the most natural and accurate lighting environment for plants.

SLAVE CONTROL

Wireless Series



Bluetooth APP Dimming Controller

VQ-SA1B1

It has multi-stop fine dimming function of 0%-100%, adopts wireless control technology, and cooperates with mobile APP to achieve remote operation. The lightweight design makes installation and carrying easier.



(Bluetooth APP + Manual Dimming Controller)

VQ-SA1D1

PWM output signal, remote control and unlimited timing functions can be easily realized through the APP, which is lightweight and easy to carry. Supports APP dimming operation and manual knob real-time dimming.

Wired Series



1 Channel Dimming Slave Controller

VQ-SK1B1

Supports 1 channel 0-100% dimming, unlimited lamp connection, simple operation



2-Channel Dimming Slave Controller

VQ-SK2B1

Supports 2-channel 0-100% dimming, unlimited lamp connection, simple operation



3-Channel Dimming Slave Controller

VQ-SK3B1

Supports 3-channel 0-100% dimming, unlimited lamp connection, simple operation

GATEWAY

Bluetooth Series



Bluetooth Gateway

VQ-GA081

With wireless bluetooth module, no network environment operation, with memory function and 40 sets of timer function

WIFI Series



WIFI Gateway

VQ-GD081

Supports controller access to the Internet via WiFi for remote management and device monitoring

INTELLIGENT DEVICE



Smart Socket

VQ-ZNPC-1

This socket is widely used in various devices, such as air conditioners, heating machines and CO2 generators. The design is simple, requiring only a set of control lines and can be infinitely expanded.

SENSOR



Temperature and Humidity Sensors

VQ-PWS2

For detecting and measuring temperature and humidity values in the environment



Shenzhen VANQ Technology Co., Ltd.

T: +86 755 2904 2092

E: VANQLED@VANQLED.COM

W: WWW.VANQLED.COM

