

Light Bar Module COB Plant Light with Built-in Fan Cooling System for Home Gardeners and Greenhouse Growers

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: newspectrum
- Model Number: Wonderwin
- Minimum Order Quantity: 10PCS
- Price: Negotiable
- Packaging Details: Antistatic bag, boxes in carton
- Delivery Time: 5-8 work days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 1000pcs/day

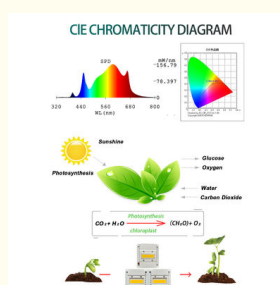


Product Specification

- Voltage: AC220-240V
- Power: 100W/200W
- Application: LED Grow Light
- Color: 3500K+R-660nm+UV-395nm
- Chips Quantity: COB + 20 Pcs + 4pCS
- Board Size: 94mm*88mm/94*176
- Luminous Size: 21mm*50mm*2
- Board Thickness: 2.0 Mm
- Surge Protection: 3000V
- Base Material: Aviation Aluminum
- Luminous Efficacy: 100 Lm/w
- Highlight: Home Gardeners Light Bar Module, COB Plant Light Bar Module, Greenhouse Growers Light Bar Module



More Images



for more products please visit us on cobledchip.com

Product Description

Product Introduction: High-Efficiency COB Plant Light with Built-in Fan for Heat Dissipation

As the demand for **indoor gardening**, **plant care**, and **sustainable growing solutions** continues to grow, choosing an efficient, durable, and **energy-saving plant light** has become a top priority for **home gardeners**, **greenhouse growers**, and plant enthusiasts. Our **COB plant light**, featuring an innovative built-in **fan cooling system**, offers exceptional lighting performance and temperature control, creating the ideal environment for healthy plant growth in both **small indoor gardens** and large-scale **hydroponic systems**.



Key Features:

High-Efficiency COB Light Source:

Equipped with advanced **COB (Chip on Board)** technology, this plant light integrates multiple high-performance LED chips onto a single substrate. This results in a **uniform, powerful light output** that closely mimics **natural sunlight**, promoting **photosynthesis** and helping plants thrive at every stage of growth. Ideal for a wide variety of plants, including **succulents**, **herbs**, **vegetables**, and **flowers**.

Built-in Fan Cooling System:

Our plant light comes with a smart **fan cooling system** that effectively reduces heat build-up during long periods of use. This design ensures stable operation, prevents overheating, and extends the lifespan of the lamp, making it a reliable choice for continuous use in **indoor plant setups** and **greenhouse lighting**.

Energy-Efficient and Eco-Friendly:

Designed with **low power consumption**, this COB plant light offers an excellent **energy-to-light ratio**, reducing electricity costs while providing the right amount of light for **optimal plant growth**. The adjustable **light spectrum** ensures that plants receive the precise wavelengths they need for **faster growth**, without wasting unnecessary energy, making it the perfect choice for **eco-friendly gardening** and **sustainable plant care**.

Versatile Application:

The COB plant light is perfect for a range of **indoor growing environments**, including **home gardens**, **office plant lighting**, **greenhouses**, and **balcony gardening**. Whether you're growing **seedlings**, **flowers**, or providing supplemental lighting for **mature plants**, this light adapts to different growth stages, from **vegetative growth** to **flowering** and **fruiting**.

Easy Installation and Low Maintenance:

Installation is quick and straightforward with included mounting accessories that fit most **plant grow setups**. The built-in fan cooling system ensures the light remains cool during operation, minimizing maintenance and extending the product's longevity. Ideal for both **beginner gardeners** and **professional growers** looking for reliable, low-maintenance lighting solutions.



Input voltage	AC220-240V
Power	200W
Application	LED Grow Light
Color	3500K+R-660nm+UV-395nm
Chips quantity	COB * 2 + 20 pcs * 2 + 4 pcs * 2
Borad Size	94mm*176mm
Luminous size	21mm*50mm*2
Board Thickness	2.0 mm
Surge protection	3000V
Base Material	Aviation Aluminum
Luminous efficacy	100 lm/W

SPECIFICATION



Input voltage	AC220-240V
Power	100W
Application	LED Grow Light
Color	3500K+R-660nm+UV-395nm
Chips quantity	COB + 20 pcs + 4 pcs
Borad Size	94mm*88mm
Luminous size	21mm*50mm
Board Thickness	2.0 mm
Surge protection	3000V
Base Material	Aviation Aluminum
Luminous efficacy	100 lm/W

ADVANCED ADVANTAGE

LED Flip Chip Assembly Technology

ours



Flip chip

- Non gold wire welding, low cost
- No gold wire obstruction, higher light output efficiency
- Chips are attached to substrate directly, better heat dissipation
- No risk of gold wire collapse, high pass rate, extremely low maintenance cost
- Suitable for high-power light sources with high heat density and higher reliability
- Longer lifespan and better light decay
- Beneficial for designing more complex combinations of light sources

others



Formal chip

- Welding with gold wire, high cost
- Gold wire blocks light and easily forms light spots
- Excessive gold wires result in high internal thermal resistance and poor heat dissipation
- Gold wires are prone to collapse, leading to dead light and a high failure rate
- Only suitable for low current operation, poor reliability for high power
- Short lifespan, big light decay
- Unable to design small-sized and high-density light sources

Common Questions:

What types of plants are suitable for the COB plant light?

This product is ideal for a wide range of **indoor plants**, including **vegetables**, **herbs**, **flowers**, and small fruit-bearing plants. Perfect for growing **tomatoes**, **lettuce**, **succulents**, and other indoor crops.

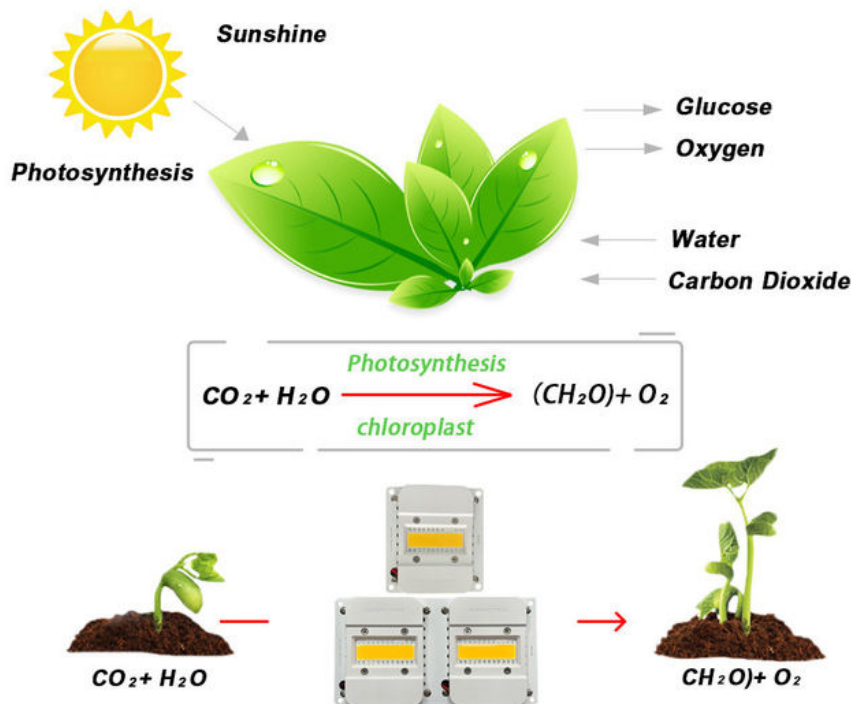
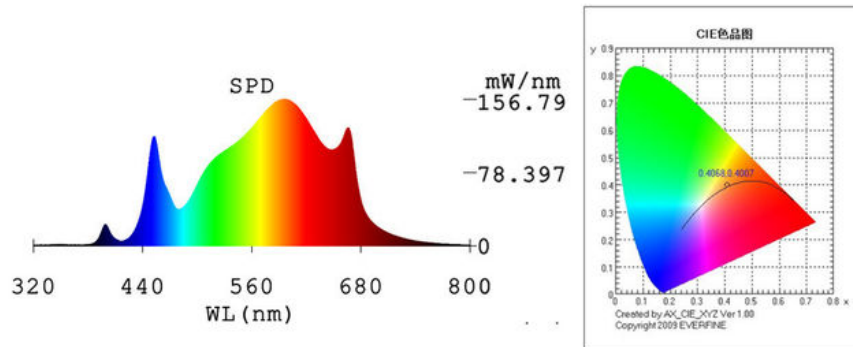
What are the benefits of COB technology?

COB technology offers superior light efficiency and more even light distribution, enabling plants to absorb light more effectively. This promotes **faster growth** and healthier plants, compared to traditional **LED grow lights**.

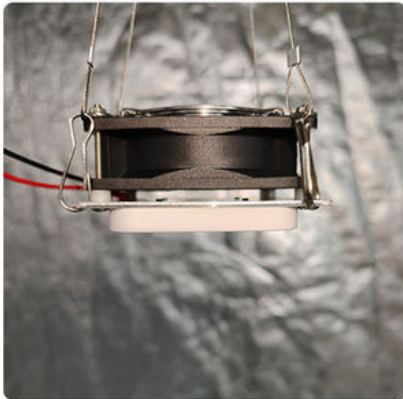
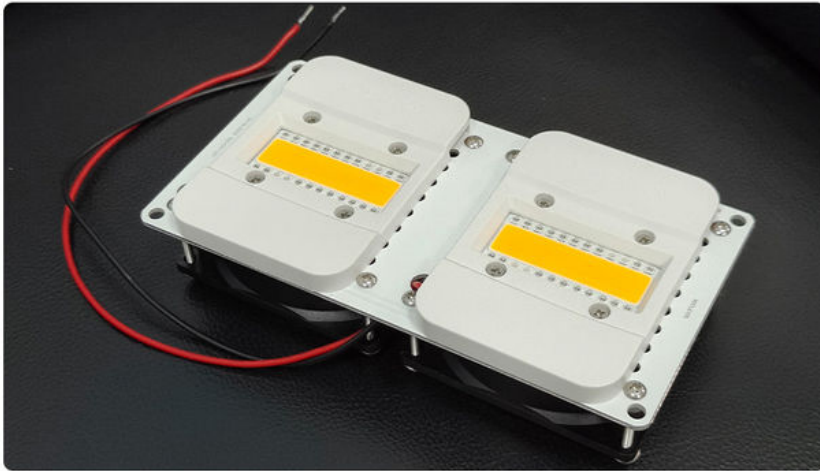
How does the fan cooling system work?

The built-in **fan cooling system** automatically adjusts fan speed based on temperature, maintaining optimal conditions to prevent overheating. This ensures the light runs efficiently and extends its lifespan, making it a great option for long-term use in **indoor gardening systems** and **hydroponic grow setups**.

CIE CHROMATICITY DIAGRAM

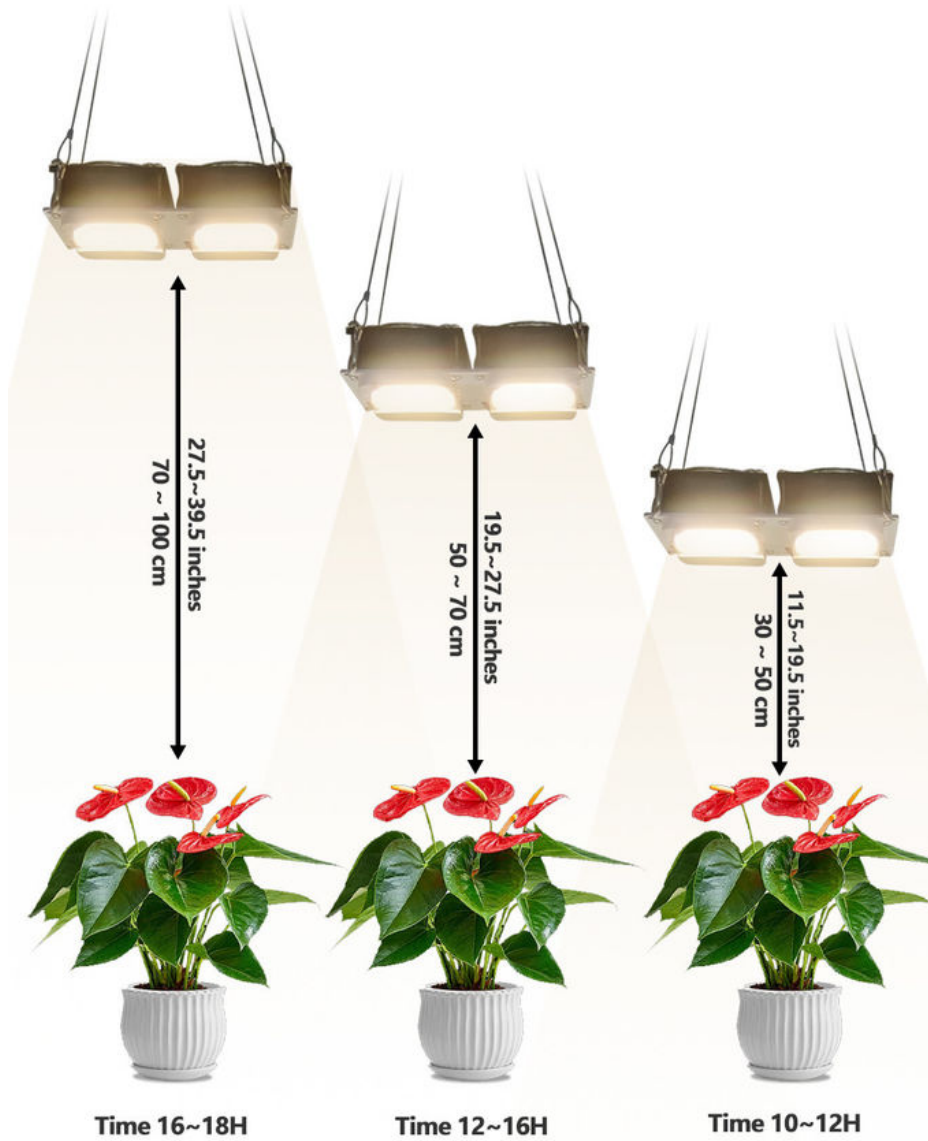


PHYSICAL PHOTOS



RECOMMEND HEIGHT & HANGING TIME

Conductive to plant growth





200W



100W



Why Choose Our COB Plant Light?

By choosing our **COB plant light**, you're not just opting for an **energy-efficient grow light**, but a solution with advanced **temperature control** to support your plants' health in various environments. This product optimizes your plant's growing conditions, enhances **growing efficiency**, and ensures your plants thrive throughout their life cycle—from **seedling propagation** to **harvest**. Whether you're a **home grower**, **hydroponic enthusiast**, or a **commercial grower**, this **COB LED plant light** is your go-to solution for achieving healthy, vibrant plants.



Shenzhen Colighting Ltd



+86-18926589891



bon@colighting.com



cobledchip.com

3rd Floor of building 1, No.5 of Shijing Industrial Park, Pingkui Road, Pingshan district, Shenzhen, China, 518118