

Led Flower Growlights

Technical Specifications

200W Spectrabox Drone

Release date: 2024/10/15



Spectrabox

Advantages Spectrabox Drone

1. High efficiency and Energy saving

The Spectrabox Drone is an extremely efficient LED grow light. Tests have shown that LED lighting solutions can reduce electricity consumption by 50% to 80%, while also increasing yields of sugars, terpenes, flavors, and active ingredients by up to 78%.

2. Optimal light output

Equipped with high-efficacy Ledestar LEDs, the Spectrabox Drone offers an LED efficiency of approximately 3.1 $\mu\text{mol}/\text{J}$. The LEDs are lensed with 110° beam optic lenses to maximize light penetration and ensure a high light output even at the lowest buds. To improve optimal light distribution, the LEDs are placed asymmetrically.

3. Long lifespan

The Spectrabox Drone uses top quality Horticulture LEDs, specially designed to withstand a horticultural environment with high humidity and high temperatures. The advanced Dual LED cooling thermal design ensures optimal LED performance with high light output, efficiency and reliability, and a long lifespan.

4. Control Panel

The Spectrabox Drone is a user-friendly LED grow light that provides a full plant spectrum. With an easy 4-step dimmer, you can effortlessly adjust the light intensity to meet your plants' needs during all growth phases. Additionally, the light features an RJ12 port, allowing you to connect an external smart plant controller and daisy-chain multiple lights for integrated control.

5. Plug and Play

No installation is required; no reflectors or ballasts are needed. Simply plug the Spectrabox Drone directly into a grounded AC120 or AC230 volt outlet, making installation safe and straightforward.

6. Waterproof

The Spectrabox Drone is rated with a IP65 dust and waterproof level. The LEDs are mounted on an aluminum frame and sealed with a lens cover, ensuring safe, maintenance-free and long-lasting operation.

7. Advanced thermal design

The Spectrabox Drone features an innovative Dual LED cooling system, which combines passive cooling with a large aluminum heat sink, complemented by an active fan to improve cooling efficiency, enabling excellent heat dissipation for reliable performance, optimal light output and long lifespan.

8. SMT & SPC technology

The LEDs are mounted using computer-controlled SMT technology and driven with a safe current to ensure long life and optimal PAR light output. SPC technology guarantees that the Spectrabox Drone will operate stably; if one LED fails, it will not affect the others.

9. Environment friendly

The Spectrabox Drone series contains no harmful substances like those found in HPS and MH lighting, resulting in no hazardous waste and a cleaner, greener planet. LEDs require significantly less energy to produce compared to other lighting technologies and contain no mercury or other toxic materials such as iodine and lead.

Spectrabox Drone

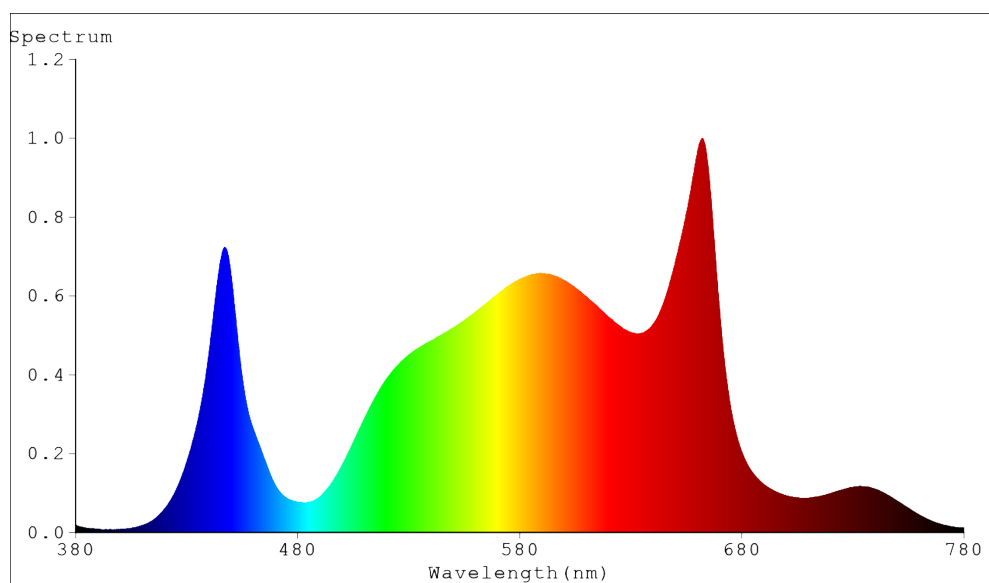


Application 200W Spectrabox Drone



1. *The Spectrabox Drone LED grow light is suitable for indoor greenhouse and “dark room” lighting.*
2. *The 200W Spectrabox Drone is the equivalent of a 400W HPS grow lights.*
3. *Ideal for all phases of plant growth and works well in any garden, both hydroponic and soil.*
4. *Use Dim Control to adjust the light intensity to the needs of plants during all phases of plant growth.*
5. *OEM/ODM or custom integrated grow lighting solutions are available upon request*

Spectrum Spectrabox Drone



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Item	Value	Item	Value
LED chip	Ledestar Horticulture	Power consumption	~ 200 Watt
LED color	3000+5000K, 660+730nm	Power factor	> 97%
LED wavelength	Full-spectrum	Dim controller	4-step dimmer
LED efficiency	~ 3,1 $\mu\text{mol} / \text{J}$	Voltage	120V – 277V
Optic lenses	110° beam angle	Frequency	50/60 Hz
Height above plants	> 100 mm	Working environment	-20 ~ + 40°C
Estimate lifespan	50.00 hours	Waterproof level	IP65
Size Spectrabox	405x305x77 mm	Weight	2,10 Kg

Certification and Warranty Spectrabox Drone



Note:

1. Do not look directly at the Spectrabox light without wearing sunglasses.
2. Determine the lighting time depending on the growth phase and species.
3. The socket must be connected to earth.
4. After sales service; 3-year limited warranty