



Led Flower Growlights

Technical Specifications

Spectrabox UFO 100

Release date: 2021/08/01



Spectrabox

Advantages Spectrabox UFO Series

1. High efficiency and Energy saving

The Spectrabox UFO Series are high efficient LED grow lights. Tests have shown that LED grow lights give plants greater light intensity and grow rates than standard HPS grow lights, yet using only 50% of the electricity.

2. High PAR light output

The Spectrabox UFO Series is provided with high efficiency SMD 3030 horticulture LEDs with an average efficacy of 2,8 μ mol/J. The LEDs are covered by a 120° lens for optimal light distribution and penetration over a large grow area. A 90° lens is optional available.

3. Dim function

The Spectrabox UFO is a no-nonsense LED Grow Light, provided with a full plant spectrum. With a simple optional dimmer the light intensity can be adjusted to the need of plants during all phases of plant growth.

4. Waterproof

The Spectrabox UFO Series is IP66 waterproof. The LEDs are attached to the aluminum frame and waterproof covered by a high quality lens.

5. Plug and Play

No setup required; no reflector and ballast are needed. A Spectrabox is a plug- and play grow light. Just plug directly into a grounded AC110 or AC230 Volts power socket, which makes the installation safe and simple.

6. SMT & SPC technology

The high power SMD 3030 Horticulture LEDs are mounted by computer controlled SMT technology and driven at a safe amperage to ensure a long lifespan at best PAR light output. SPC technology guarantees the Spectrabox UFO Series will work stable, even if any of the LEDs fail, it will not affect other LEDs.

7. Advanced thermal design

The LEDs are passively cooled by the innovative aluminum heatsink. The aluminum PCB is directly attached to the aluminum frame of the Spectrabox UFO Series for excellent heat dissipation. Passive LED cooling is preferred above active cooling. No moving parts are needed, which is energy efficient and requires no maintenance.

8. Environment friendly

The Spectrabox UFO Series doesn't contain the harmful substance HPS & MH have; no hazardous waste to deal with which makes our earth cleaner and greener. LEDs are superior in comparison to other lighting technologies in terms of negative environmental and health effects during the manufacturing process.

Application Spectrabox UFO 100



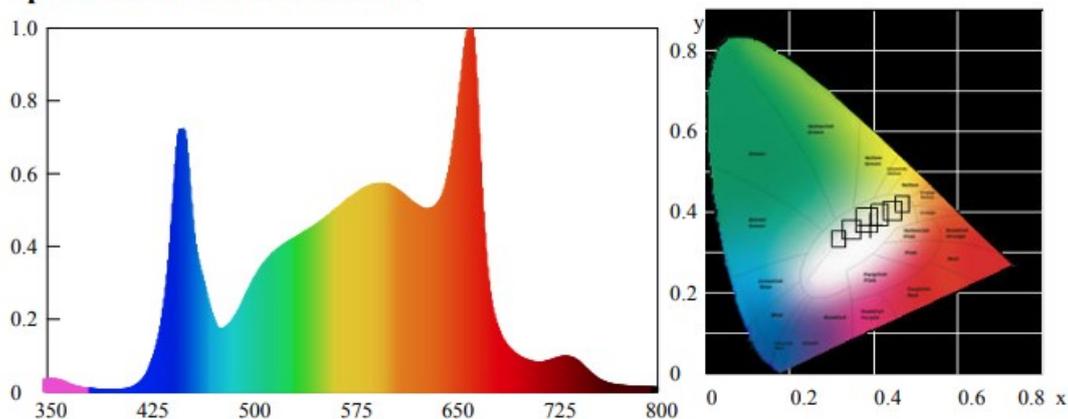
1. *The Spectrabox UFO Series LED grow light is suitable for greenhouse and indoor "darkroom" lighting.*
2. *The Spectrabox UFO 100 is the equivalent of a 200W HPS grow light.*
3. *Ideal for all phases of plant growth and works well in any garden, either hydroponics or soil based.*
4. *Using Dim control to adjusted the light intensity to the need of plants during all phases of plant growth.*
5. *OEM/ODM or customized integrated grow lighting solutions are available on request.*

Picture Spectrabox UFO



Spectrum Spectrabox UFO Series

Spectroradiometric Parameters



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| Item | Value | Item | Value |
|---------------------|----------------------------------|------------------------|--------------|
| LED chips | Seoul / Samsung 3030 | Power consumption | ~ 100 Watt |
| LED driver | Sosen | Power factor | > 96% |
| LED wavelength | Full-spectrum | Dim control (optional) | 10 – 100% |
| Optic lens | 120° beam angle | Voltage | 100V – 277V |
| LED photon flux | ~ 2,8 $\mu\text{mol} / \text{J}$ | Frequency | 50/60 Hz |
| Height above plants | > 100 mm | Working environment | -20 ~ + 40°C |
| Estimate lifespan | 50.000 hours | Waterproof level | IP66 |
| Size Spectrabox | Ø 260x140 mm | Weight | 2,5 Kg |

Certification and Warranty Spectrabox UFO Series



Note:

1. Don't look into the Spectrabox light directly without wearing sunglasses.
2. Determine the lighting time depending on growing phase and species.
3. Power socket should be connected to the ground/earth.
4. After sales service; 3 year warranty*

* Warranty according EU directive 2009/125/EG.