



Spectrabox

Spectrabox UFO Series

100W Spectrabox UFO

Technical Specifications

Release Version: V3.0

Release Date: 2025/05/15

www.ledflowergrowlights.nl

Advantages Spectrabox UFO

1. High efficiency and Energy saving

The Spectrabox UFO is a very efficient LED grow light. Tests have shown that LED grow lights give plants greater light intensity and growth rate than HPS grow lights while consuming only 50% of the electricity.

2. High PAR light output

The Spectrabox UFO is provided with high quality LEDs with an efficacy of 2,8 $\mu\text{mol/J}$. The LEDs are covered by a 120° lens for optimal light distribution and penetration over a large growing surface. 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 an optional 0-10V LED dimmer the light intensity can be adjusted to the need of plants during all phases of plant growth.

4. Waterproof

The Spectrabox UFO is IP66 waterproof. The LEDs are attached to the aluminum frame and sealed watertight by the high-quality lens.

5. Plug and Play

No installation required; no reflector and ballast are needed. A Spectrabox UFO is a plug-and-play grow light. Simply plug the plug directly into a grounded AC110 or AC230 Volt outlet, making installation safe and simple.

6. SMT & SPC technology

The LEDs are mounted with SMT technology and are driven with a safe current to ensure long life and high PAR light output. SPC technology guarantees that the Spectrabox UFO will work stably, even if one of the LEDs fails, it will not affect other LEDs.

7. Advanced thermal design

The LEDs are passively cooled by the aluminum heat sink. The aluminum circuit board is attached directly to the aluminum frame of the Spectrabox UFO for excellent heat dissipation. Passive LED cooling is preferable to active cooling. No moving parts are required, which is energy efficient and requires no maintenance. The aluminum heat sink must be sufficiently free all around, so that sufficient air can pass through for cooling!

8. Environment friendly

The Spectrabox UFO Series does not contain the harmful substances HPS & MH do; no hazardous waste to deal with, making our earth cleaner and greener. LEDs are superior to other lighting technologies in terms of negative environmental and health impacts during the manufacturing process. Producing LEDs takes much less energy than manufacturing other lighting. LEDs contain no mercury and little or no toxins such as iodine and lead.

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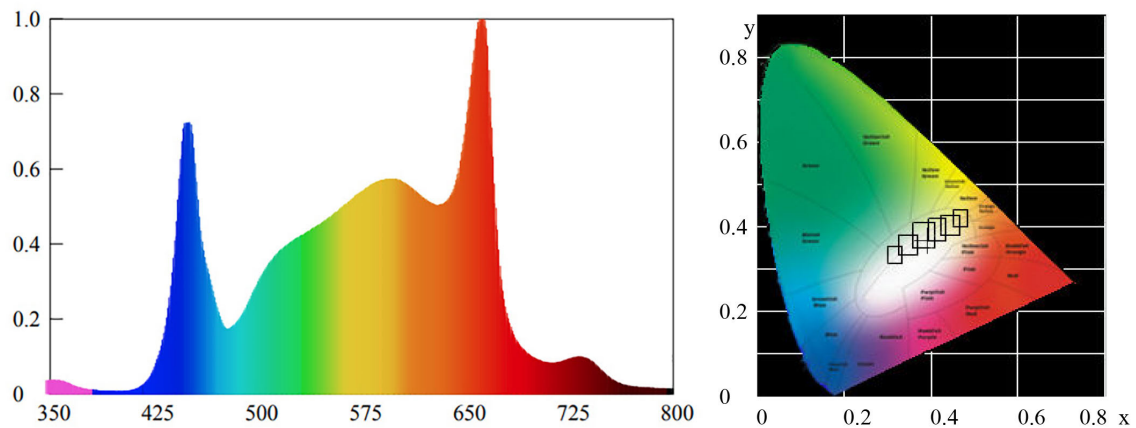


Application Spectrabox UFO



1. *The Spectrabox UFO LED grow light is suitable for greenhouse and indoor “dark room” lighting.*
2. *The 100W Spectrabox UFO is the equivalent of a 200W HPS grow light.*
3. *Ideal for all phases of plant growth and works well in any garden, both hydroponic and soil.*
4. *Use 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.*

Spectrum Spectrabox UFO



Technical specifications 100W Spectrabox UFO

Item	Value	Item	Value
LED chips	3030 Seoul / Samsung	Power consumption	~ 100 Watt
LED driver	Sosen	Power factor	> 96%
LED wavelength	Full-spectrum	Dim control	0 – 10V
Optic lens	120° beam angle	Voltage	100V – 277V
LED efficacy	~ 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 260x110 mm	Weight	2,5 Kg

Certifications 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 electrical outlet must be grounded.
4. After sales service; 3-year warranty