

SPECTRABOX PRO SERIES

720W Spectrabox PRO

Technical Specification

**720 W**

POWER

~3.1 $\mu\text{mol/J}$

EFFICACY

110°

OPTICAL LENS

IP65

PROTECTION

6 LED bars • Double Row, Dual Angle • 4-step dimming • daisy-chain ready

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PERFORMANCE

High-output lighting with controlled distribution

The Spectrabox PRO combines high-efficacy horticulture LEDs, six passively cooled LED bars and optical beam control in a foldable high-power fixture.

01 High efficiency & energy saving

High-efficacy LED technology is designed for strong plant lighting with substantially lower energy demand than traditional discharge lighting.

03 Double Row, Dual Angle

Each of the 6 bars has two LED rows mounted at a 15° angle, widening the beam and supporting uniform light distribution.

05 IP65 protection

LEDs are mounted to the aluminium bars and protected by a PC lens cover for dust- and water-resistant operation.

07 Advanced thermal design

The aluminium circuit board is mounted directly to the bar frame for efficient passive heat dissipation without moving parts.

02 High PAR light output

Ledestar horticulture LEDs provide approximately 3.1 $\mu\text{mol/J}$. 110° optical lenses support penetration and high PAR delivery.

04 Long lifespan

Horticulture LEDs and advanced thermal design support reliable operation under warm and humid cultivation conditions.

06 Integrated control panel

4-step dimming plus RJ12 IN/OUT ports support manual adjustment, external control and daisy-chain operation.

08 Plug & play

No reflector or separate ballast is required; connect directly to a grounded compatible AC outlet.

APPLICATION

Suitable for indoor greenhouse and dark-room lighting, hydroponic and soil cultivation, and all phases of plant growth.

ENVIRONMENT

The Drone series avoids mercury, iodine and lead used in some traditional lamp technologies and reduces energy demand through LED operation.

PRODUCT ARCHITECTURE

Double Row, Dual Angle beam with integrated control



LIGHT DISTRIBUTION

Two LED rows per bar are mounted at a 15° angle. Combined with the 110° PC lenses, this broadens the light beam and improves uniformity and penetration.

CONTROL PANEL

OFF / 25 / 50 / 75 / 100% • EXT mode • IN / OUT ports

CONTROL

Light intensity matched to each growth phase

4-STEP

Integrated dimming

Quick manual adjustment of light intensity.

RJ12 / RJ14

External control

Connect a compatible smart plant controller.

DAISY CHAIN

Multi-light control

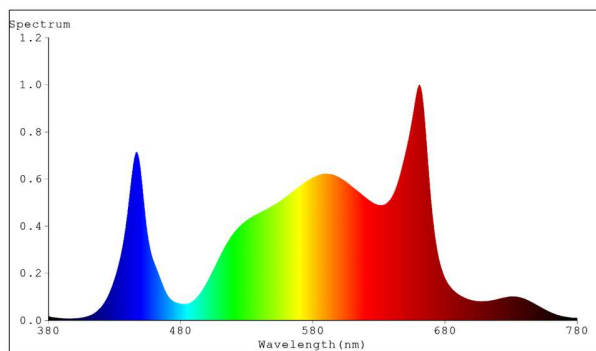
Link multiple fixtures for integrated operation.

INSTALLATION & SAFETY

- Connect only to a grounded electrical outlet.
- Do not look directly into the operating fixture; use appropriate eye protection.
- Set lighting duration and intensity according to crop species and growth phase.

LIGHT & SPECIFICATION

Spectrum and technical data



FULL PLANT SPECTRUM

3000K + 5000K
660 nm + 730 nm

Broad white light combined with red and far-red wavelengths for the complete cultivation cycle.

ITEM	VALUE	ITEM	VALUE
LED chip	Ledestar Horticulture	Power consumption	~ 720 Watt
LED color	3000K + 5000K, 660 + 730 nm	Power factor	> 97%
Spectrum	Full-spectrum	Dim controller	4-step dimmer
LED efficiency	~ 3.1 µmol/J	Voltage	120-277 V
Optic lenses	110° beam angle	Frequency	50/60 Hz
Height above plants	> 100 mm	Working environment	-20 to +40 °C
Estimated lifespan	50,000 hours	Waterproof level	IP65
Fixture size	1170 × 1150 × 78 mm	Weight	8.0 kg

CERTIFICATIONS & WARRANTY



**3 YEAR
WARRANTY**

www.ledflowergrowlights.nl