



Led Flower Growlights

Technical Specifications

400W Spectrabox XTreme

Release date: 2021/09/15



Spectrabox

Advantages Spectrabox XTReme LED grow light

1. High efficiency and Energy saving

The Spectrabox XTReme Series are high power and 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 XTReme has an average LED efficacy of 2,8 $\mu\text{mol}/\text{J}$. Also the LEDs are not covered by a glass lens, which gives an extra 10% light output with a 120° beam angle. Combined with the high LED efficiency and a high power, ensures the Spectrabox XTReme has extreme power & light penetration and a wide area plant coverage.

3. Long lifespan

The Spectrabox XTReme is provided with a combination of 0,5W 2835 high-efficacy LEDs and 3W 3535 high-power LEDs. The LEDs are especially developed for Horticulture environment, which ensures the LEDs are resilient against severe temperature, humidity air and exposure to chemicals. This guaranties high light-output, high quality and high reliability with a long lifespan.

4. Dual Spectrum

A Spectrabox is a no-nonsense LED Grow Light. The Spectrabox XTReme is provided with only one switch for switching between growing and flowering period.

- Switch off (0) is Growth mode: LEDs for optimal vegetation & growth are on.
- Switch on (1) is Bloom mode: all LEDs lit at full power & full spectrum.

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 Samsung 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 XTReme will work stable, even if any of the LEDs fail, it will not affect other LEDs.

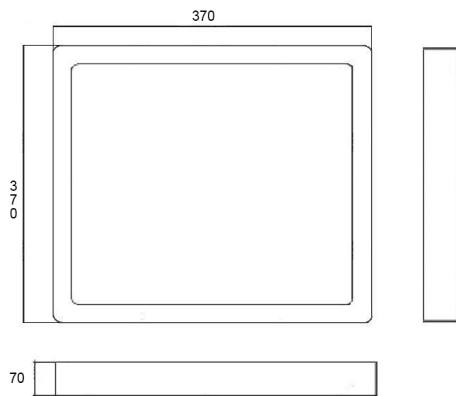
7. Easy maintenance

The Spectrabox XTReme is modular build with only two electrical parts; the led driver and the LED light unit. Both parts are easily unscrewed and removed for an update or for maintenance. Also when the warranty is expired, the maintenance and updates can easily be done by customer.

8. Environment friendly

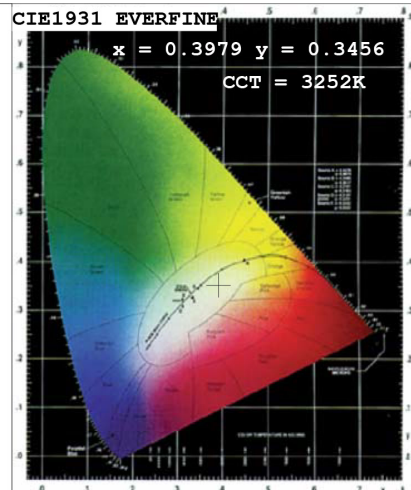
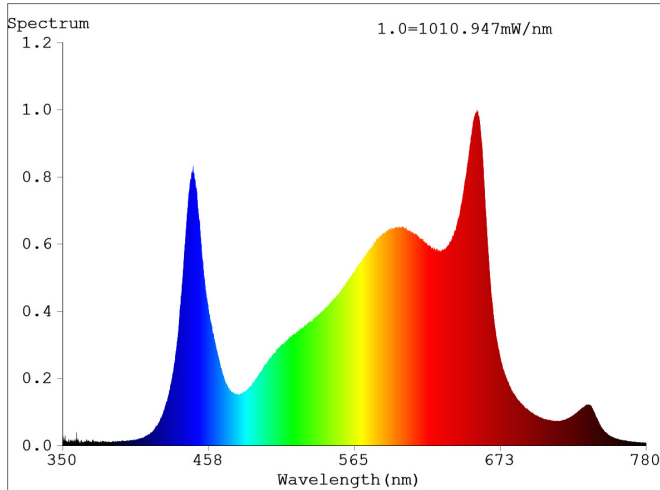
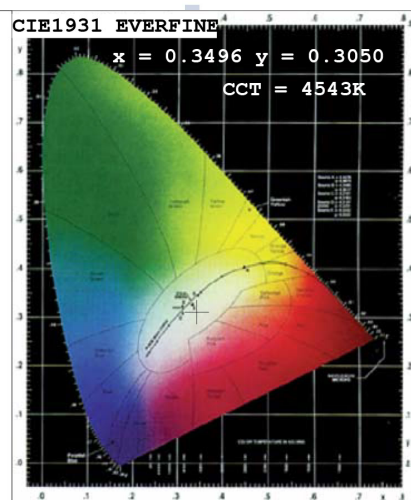
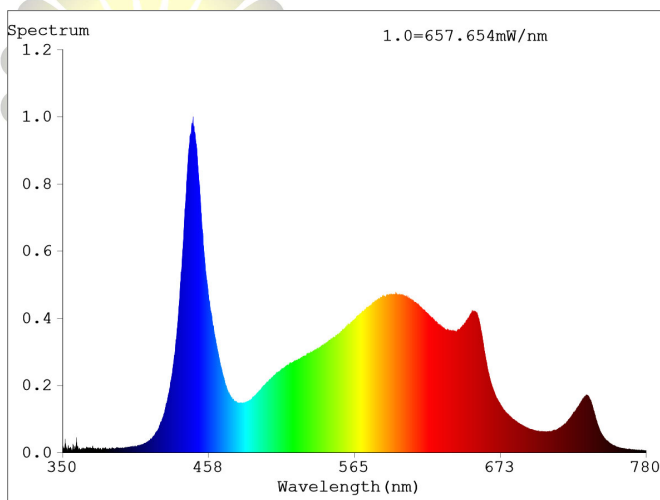
The Spectrabox XTReme doesn't contain the harmful substance HPS & MH have; no hazardous waste to deal with which makes our earth cleaner and greener. LEDs are superior in comparison to other lighting technologies in terms of negative environmental and health effects during the manufacturing process. Producing LEDs consumes far less energy than manufacturing other lighting and it was noted the LEDs contain no mercury and few if any toxins such as iodine and lead.

Application 400W Spectrabox XTreme



1. A Spectrabox LED grow light is suitable for greenhouse and indoor "darkroom" lighting.
2. The 400W Spectrabox XTreme LED grow light replaces a 400W to 600W HPS grow light.
3. Ideal for all phases of plant growth and works well in any garden, either hydroponics or soil based.
4. Using SCS to create optimal spectrum for plants photosynthesis and photo morphogenesis.
5. OEM/ODM or customized integrated grow lighting solutions are available on request.

Dual Spectrum for Vegetation & Flowering



Picture 400W Spectrabox XTreme



Technical specifications 400W Spectrabox XTreme

Item	Value	Item	Value
LED chips	Seoul 2835 & 3535	Power consumption LEDs	~ 240 Watt
LED value	608 Watt	Switch	Dual Spectrum
Wavelength	Full-spectrum	Power Growth mode	~ 135 Watt
Beam angle	120°	Power Bloom mode	~ 265 Watt
Lifespan	Up to 50.000 hours	Power factor	> 97%
Height above plants	> 150 mm	Ventilations fans	4 pieces
Working environment	-20 ~ + 40°C	Voltage	230 Volts
Photon flux	~ 625 µmol/s	Relative humidity air	< 85%
Size Spectrabox	390x390x70 mm	Weight	4,3 Kg

Certification and warranty Spectrabox XTreme Series



Note:

1. Indoor use only.
2. To avoid damage, don't use in dripping water environment or with dripping irrigation.
3. Select different lighting time depending on growing phase and species.
4. Use LED grow light in ventilated environment to ensure the light works at highest performance.
5. Don't look into the LED light directly without wearing sunglasses.
6. Power socket should be connected to the ground/earth.
7. After sales service; 3 year degressive warranty.