

Advantages Spectrabox BB

1. High Efficiency and Energy Saving

The Spectrabox BB (BumbleBee) is an extremely efficient LED grow light. Tests show that LED grow lights provide greater light intensity and growth rates for plants compared to HPS grow lights, while consuming only 30 - 50% of the electricity.

2. Long Lifespan

The Spectrabox BB uses Samsung Dual-chips Kelvin LED diodes, combined with 660nm and 730nm LEDs, which are specifically designed for horticultural environments. These LEDs can withstand extreme temperatures, humidity, and exposure to chemicals, ensuring high light output, quality, and reliability over a long lifespan.

3. High PAR Light Output

Equipped with high-efficiency Samsung LEDs, the Spectrabox BB offers an efficiency of approximately 2.8 $\mu\text{mol}/\text{J}$. The LEDs features high-beam lenses to increase light penetration, ensuring high PAR levels even at the lower buds.

4. Adjustable Dimming Function

The Spectrabox BB is a no-nonsense LED grow light with a full plant spectrum. Its simple dimmer allows you to adjust light intensity to meet the needs of plants at every stage of growth.

5. Waterproof Design

Rated IP66 waterproof, the Spectrabox BB is fully protected against water ingress. The LEDs are mounted to the aluminum frame and sealed watertight by high-quality lenses, making the light suitable for humid environments.

7. Plug-and-Play Installation

The Spectrabox BB is easy to install and ready to use. No reflectors or ballasts are required. Simply plug it directly into a grounded AC110 or AC230 Volt outlet for safe and straightforward setup.

6. SMT & SPC Technology

The efficient Horticulture LEDs are mounted using computer-controlled SMT technology and are driven with a low current to ensure long life and the best light output. SPC technology guarantees stable performance; even if one LED fails, others will continue to function.

8. Advanced Thermal Design

The LEDs are passively cooled by an innovative aluminum heat sink. The aluminum circuit board is directly attached to the aluminum frame of the Spectrabox BB for excellent heat dissipation. Passive cooling is more energy-efficient and maintenance-free compared to active cooling systems.

10. Environment Friendly

The Spectrabox BB Series does not contain harmful substances found in HPS & MH lights, resulting in no hazardous waste. This makes it a greener choice, minimizing negative environmental and health impacts. LEDs require less energy to produce and contain no mercury or significant toxins like iodine and lead.



Led Flower Growlights

Technical Specifications

Spectrabox BB 100

Release date: 2024/06/15

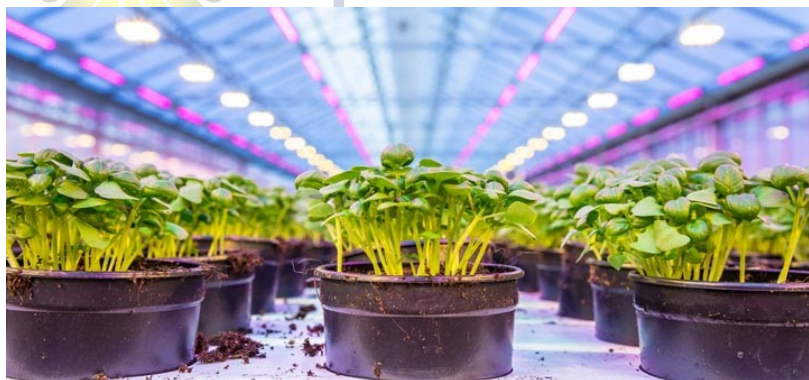


Spectrabox

Spectrabox BB 100

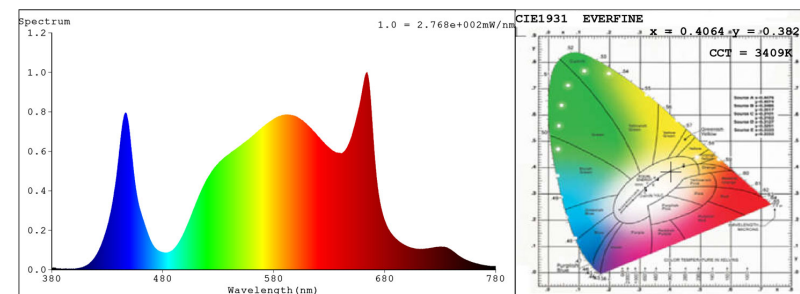


Application Spectrabox BB 100



1. The Spectrabox BB LED grow light is suitable for grow tents and indoor greenhouses.
2. The Spectrabox BB 100 delivers a light output equivalent to a 100W HPS grow light.
3. Ideal for all stages of plant growth and highly effective in both hydroponic and soil gardens.
4. Use the dimming control to adjust the light intensity to the needs of plants during every growth phase.
5. Custom OEM/ODM and integrated grow lighting solutions are available upon request.

Spectrum Spectrabox BB



Technical specifications Spectrabox BB 100

Item	Value	Item	Value
LED chip	Dual-chip Samsung	HPS equivalent	~ 100 Watt
LED driver	MeanWell	Power factor	> 95%
LED amount	56 pieces	Power consumption	~ 54 Watt
LED value	112 Watt	Dim control	10 – 100%
LED efficiency	~ 2,8 µmol /J	Voltage	100V – 277V
Optic lenses	85° beam angle	Frequency	50/60 Hz
Height above plants	> 100 mm	Working environment	-20 ~ + 40°C
Estimate lifespan	50.00 hours	Waterproof level	IP66
Size Spectrabox	150x266x117 mm	Weight	2,2 Kg

Certification and Warranty Spectrabox BB



Note:

1. Avoid direct eye exposure to the Spectrabox light - wear protective eyewear when operating.
2. Adjust the lighting schedule according to the specific growth phase and plant species.
3. The power socket must be properly grounded for safe operation.
4. Comprehensive after-sales service with a 3-year full warranty provided.