

Hortilight LED Systems

# ScrogMaster Dual

Technical Specification

Release Version: V1.0

Release Date: 2021/11/01

## Main advantages ScrogMaster Dual

### 1. Light intensity

With its large wingspan, the ScrogMaster Dual is the ideal partner for a growing area of 150x150cm. The ScrogMaster Dual has an optimal light spread at a distance of 20 to 60cm. Be aware of its huge light intensity and penetration at this small distance, so add extra CO<sub>2</sub> to your grow room if plants need it.

Compared to HPS grow lights the ScrogMaster Dual gives plants more light intensity and better grow rates, yet using less than 50% of the electricity of HPS grow lights.

### 2. High efficiency

The ScrogMaster Dual is provided with high quality and high efficient Bridgelux LEDs, with a LED efficacy of 2,8 µmol/J !

### 3. Long lifespan

The high quality Bridgelux LEDs used for the ScrogMaster Dual are especially developed for Horticulture environment, which ensures the LEDs are resilient against severe temperature, humidity and exposure to chemicals. This guaranties high light output, high quality and high reliability with a long lifespan up to 50.000 hours.

### 4. Dual spectrum

The ScrogMaster Dual is provided with two spectra, a Full plant growth Spectrum and a Supplemental Spectrum with UV, IR and 660nm hyper red light. Both spectra have a separate 0 – 100% manual dimming knob. The main Full Spectrum is needed during the whole plant cycle for plant growth. The Supplemental Spectrum can be added to improve plants morphology, induce flowering and maximizes yield.

### 5. Cluster Dimming Control

With the included RJ14 cable all ScrogMaster Dual fixtures can be looped in a Daisy Chain, so that any of dim knobs does operate all ScrogMaster Dual LED grow lights.

### 6. Setup required

The ScrogMaster Dual requires an easy setup. First the LED Driver System needs to be connected to the unfolded LED Bar frame, with the splitter connector cable. After connecting the LED Driver System, the ScrogMaster Dual can be plugged directly into an AC100 to AC277 Volts power socket.

### 7. Waterproof

The LED Drivers, LED Bars and wire connectors are IP65 waterproof. The LEDs are attached to the aluminum frame and waterproof sealed.

### 8. Advanced thermal design

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

### 9. Environment friendly

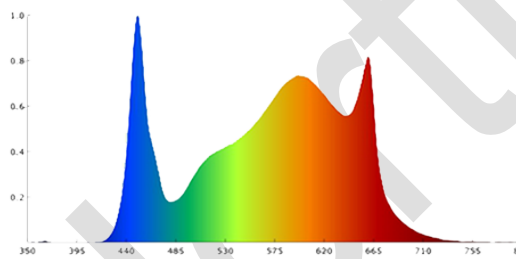
A ScrogMaster does not contain the harmful substances HPS & MH lights do have. LED lighting is superior in comparison to other lighting technologies in terms of negative environmental and health effects during the manufacturing process. So there is less waste, which makes our earth cleaner and greener!

## Picture ScrogMaster Dual

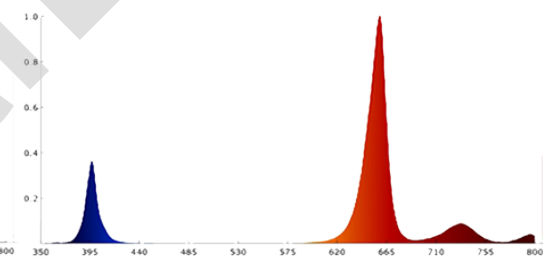


## Spectra ScrogMaster Dual

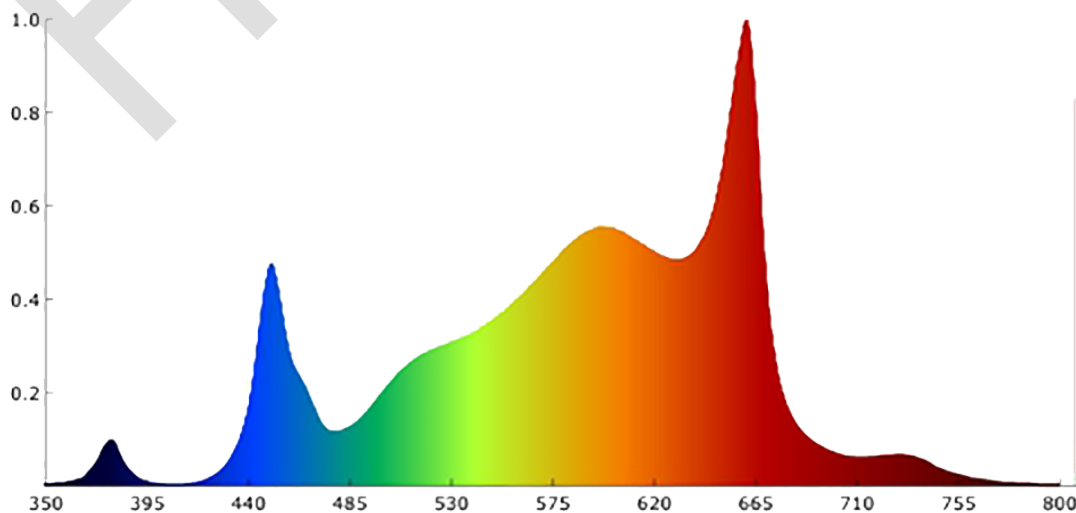
Full Spectrum



Supplemental Spectrum



## Dual Spectrum



## PRO Dual LED Driver System



## Technical specification SMD7200

Item	Value	Item	Value
LED chips	Bridgelux	Power consumption	~ 720 Watt
LED driver	B600 PRO Dual	Power factor	> 98%
LED wavelength	Dual Spectrum	Spectrum control	Dual 0 – 100%
Light distribution	120° beam angle	Cluster dimming	RJ14
Lifespan	Up to 50.000 hours	Voltage	100V – 277V
Height above plants	≥ 20 cm	Work frequency	50Hz / 60Hz
Lighting area	≥ 150 x 150 cm	Working environment	-20 ~ + 35°C
LED efficiency	~ 2,8 μmol / J	Waterproof level	IP65
ScrogMaster size	1115x1080x40mm	Weight	13 Kg

## Certification and Warranty of ScrogMaster Dual



### Note:

1. Select different lighting time depending on plant species.
2. Don't look into the LED light directly without wearing sunglasses.
3. Power socket should be connected to the ground/earth.
4. The ScrogMaster Dual is CE, ETL and RoHS compliant.
5. After sales service; 5 years degressive warranty.