Hortilight

Hortilight LED Systems

ScrogMaster PRO 1200

Technical Specification

Release Version: V3.0

Release Date: 2022/06/01

Main advantages ScrogMaster PRO 1200

1. Light intensity

With a wingspan of 1200mm, the ScrogMaster PRO 1200 is the ideal partner for a growing area till 150x150cm. The ScrogMaster has an optimal light spread at a distance of 15 to 25cm. Be aware of its hugh light intensity and penetration at this small distance, so add extra CO_2 to your grow room if plants need it.

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

2. High efficiency

The ScrogMaster PRO is provided with high efficiency Samsung LEDs, which gives the SMP1200 a PAR efficacy of 2,8 μmol/J !

3. Long lifespan

The high-quality Samsung LEDs used for the ScrogMaster PRO 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. Setup required

The ScrogMaster PRO requires an easy setup. The LED Bars have a simple connection to the special recesses in the frame. The LED Driver can be mounted on top of the LED Bars. After connecting the LED Driver, the ScrogMaster can be plugged directly into an AC100 to AC277 Volts power socket.

5. Waterproof

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

6. Daisy Chain dimming

The ScrogMaster PRO is provided with a dim knob for manual 0 – 100% dimming. With the included RJ14 cable many ScrogMaster fixtures can be looped in a Daisy Chain, so that any of dim knobs does operate all ScrogMaster lights.

7. Optional Controllers

An optional Bluetooth, DIM or RJ14 Controller can be used to set lighting schedules. This can simulate a rising and setting sun, making the lighting even more efficient.

With the included RJ14 cable many ScrogMaster PRO fixtures can be looped in a Daisy Chain, so that one Controller operates all ScrogMaster lights.

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.
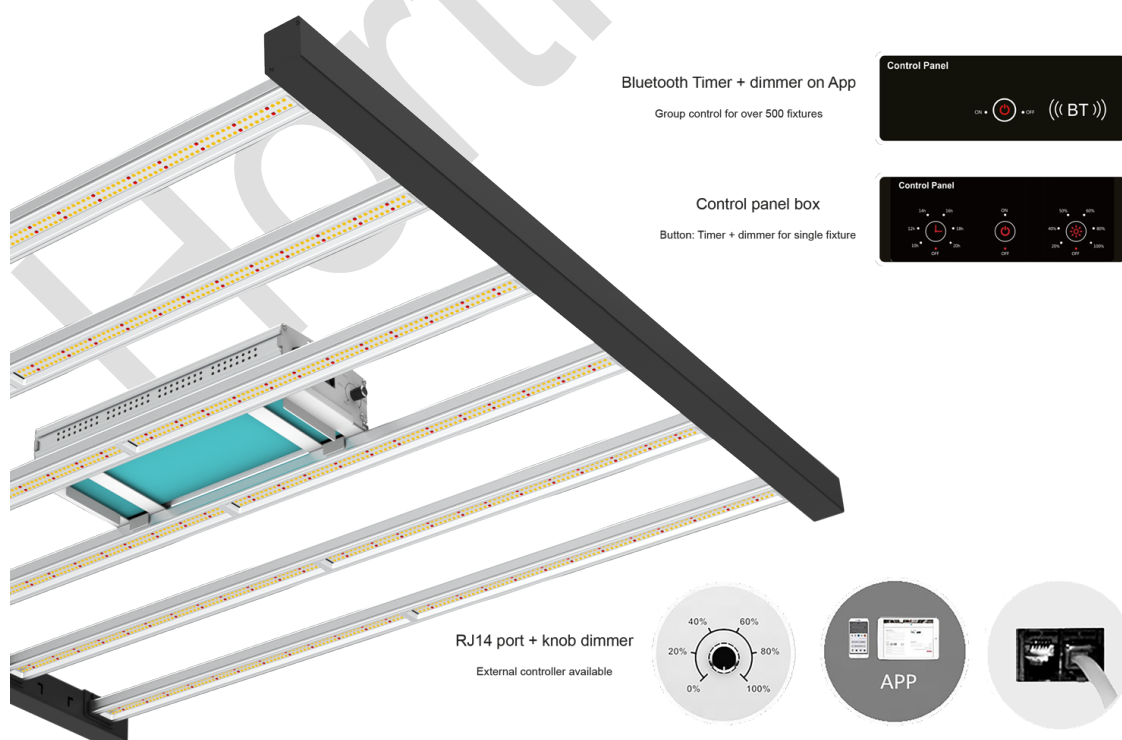
9. Environment friendly

A ScrogMaster PRO 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!
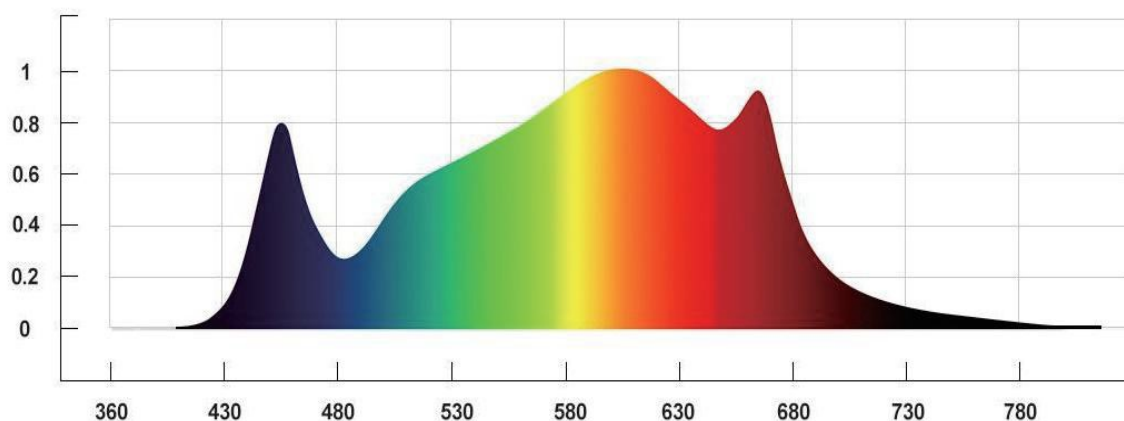
Picture ScrogMaster PRO 1200

Features & options ScrogMaster PRO Series

Bluetooth Timer + dimmer on App

Group control for over 500 fixtures

Control Panel

Control panel box

Button: Timer + dimmer for single fixture

Control Panel

RJ14 port + knob dimmer

External controller available

APP

Spectrum ScrogMaster PRO 1200

Technical specification SMP1200

Item	Value	Item	Value
LED chips	Samsung LM301B	Power consumption	~ 650 Watt
LED driver	Inventronics	Power factor	> 98%
LED wavelength	full-spectrum	Dim control	0 – 100%
Light distribution	120° beam angle	Pro connection	RJ14
Lifespan	> 50.000 hours	Voltage	100V – 277V
Height above plants	≥ 15 cm	Work frequency	50Hz / 60Hz
Lighting area	≤ 150 x 150 cm	Working environment	-20 ~ + 35°C
PAR Photon flux	~ 2,8 µmol / J	Waterproof level	IP65
ScrogMaster size	1200x1100x100mm	Net weight	16 Kg
Packing size	1290x280x200mm	Gross weight	18 Kg

Certification and Warranty of ScrogMaster PRO Series

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 PRO is CE, DLC, ELT and RoHs compliant.*
5. *After sales service; 5 years limited warranty, from factory date.*