

Alpha Smart Grow Cabinet



Model:

- Alpha

Minimum Order: 01

Brief Description:

180 watt, Multi spectrum tannable light i.e adjustable spectrum and intensity control, growing area – 2' x 2' x4', temperature and humidity indication, with IOT control smart grow cabinet

Product Description

- ❖ Multi spectrum tannable light with 8 adjustable spectra
- ❖ Multi wavelength covers- 395nm, 450nm, 520nm, 590nm, 660nm, 735nm, 6500k, 2700k
- ❖ 0-100% intensity control
- ❖ The grow cabinet comes in at 24" wide, 24" deep and 48" high grow area, making it a great producer for the tight spaces
- ❖ Outer dimensions 30" wide, 30" deep and 60" high
- ❖ Available in Hydroponics and Soil configurations
- ❖ Sturdy construction and locking door provide a completely safe and secure grow
- ❖ 180-watt Multi spectrum tannable led grow light – you can adjust spectrum and intensity as per plant requirement
- ❖ Cloud base connectivity
- ❖ Real time data
- ❖ Web base control
- ❖ Temperature and Humidity Sensors
- ❖ High PPF – 2.2 to 2.4 umol/J
- ❖ Passive cooling
- ❖ 4 cooling fan which helps cabinet to maintain room temperature
- ❖ I-Ball tab fitted at top for control and indication
- ❖ Adjustable internal circulation fan for essential cross airflow distribution

180 W LED Grow PANEL, with top LEDs, square design, passive cooling, more energy efficient own it, you're ready to do research

Applications

- Horticultural research
- Speed Breeding
- Pharma Companies

Key Features

- 8 wavelength adjustment
- 0-100% dimming provision
- 0-1000 PPFD adjustment provision at 2.5ft from light
- IOT control
- High PPF – 2.4 umol/J (Also available at 3.7 umol/J)
- Custom based design
- Humidity and temperature indication

Key Advantages

- Develop 'n' numbers of spectrum combination
- Change intensity as per plant requirement
- Control spectrum from remote location
- Add wavelength as per plant requirement

Key Benefits

- Suitable for all types of plant
- Best for horticultural research and creation of spectrum recipe for any plant
- Check performance of plant for various DLI
- Real time data
- Easy operation

Technical Details

Main System Technical Specification	
Cabinet Weight (Kg)	75 Kg
Outer Dimension	
Height (in./mm)	63 / 1600
Width (in./mm)	31 / 780
Depth (in./mm)	28 / 720
Inner Dimension	
Height (in./mm)	48 / 1210
Width (in./mm)	24 / 610
Depth (in./mm)	24 / 610
Power Requirement (50Hz)	230 VAC, 3 A single phase
Cooling Requirement	+15°C to +30°C
Temperature (Light ON)	+15°C to +45°C
Environmental Requirement	
Temperature	+15°C to +25°C
Humidity	Below 60%
Growth Envelope	
Growth Bed Area (ft)	2 X 2
Growth Height (in./mm)	48 / 1220
Capacity (Liters)	450

Controller Technical Specification	
Control characteristic	Digital controlling
Control method	Web Based
Rated input voltage	180VAC- 240VAC
Response time	<5sec
Protection function	unbalance
Working temperature	-25°C -- +75°C
Working humidity	<60%
Degree of protection	IP50