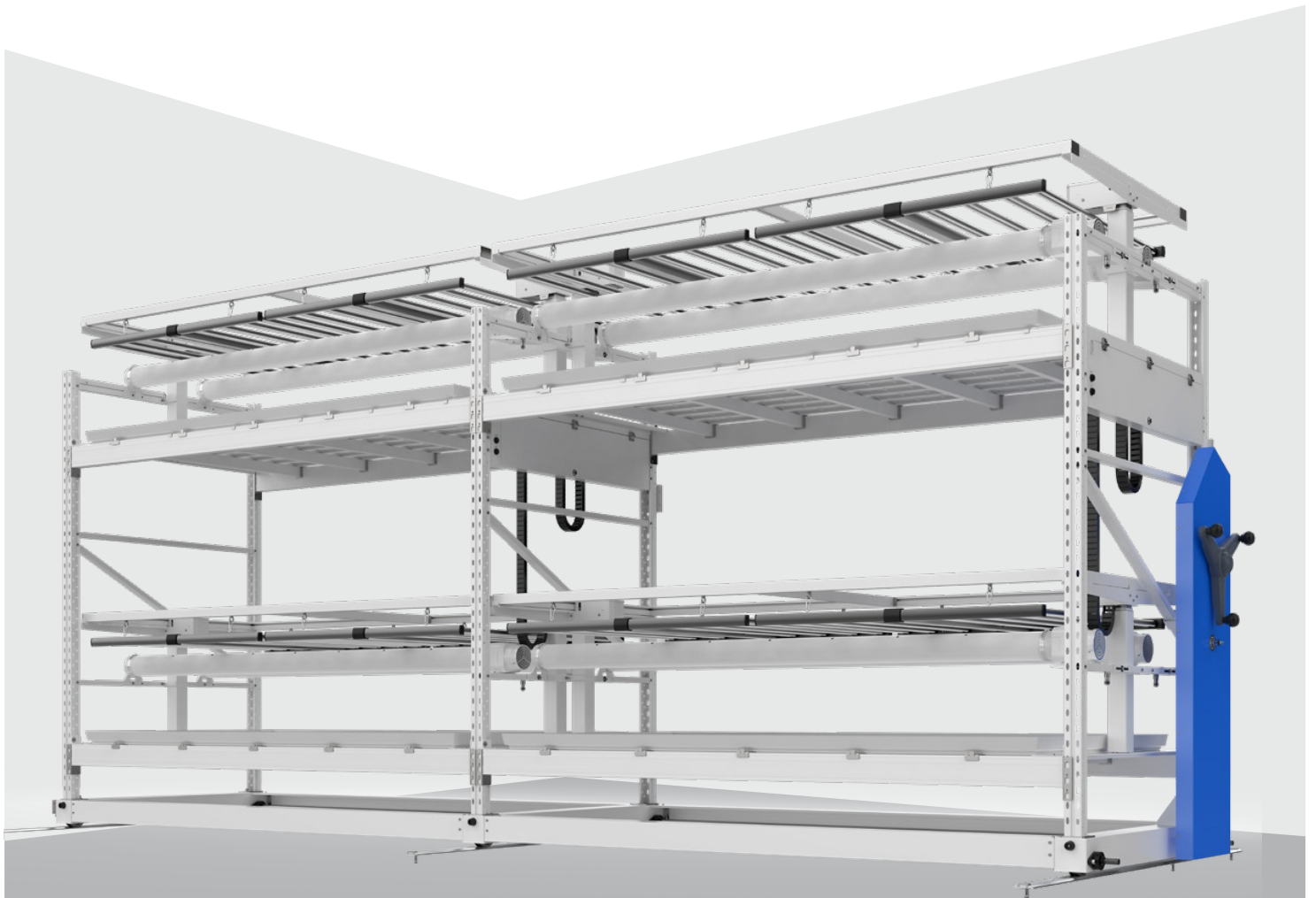


**G18**

Complete Growing Solution



**SMART**  
Grow Rack System

# SMART

Saving Manpower

Energy  
Saving

# 3.0X

# Maximize

Your Planting Space

# G18

 Rolling Grow Rack System

# G18 SMART

## Grow Rack System

### Integrated Features:



#### Rolling Grow Rack

6 Bays Max Per Row(with G16 Top lighting)



#### Flexible top light options(any brands in the market)

2.66 $\mu$ mol/J at 1640W Per Tier



#### Smart Electric Lifting System

The Height of LED Light can be Adjusted from 570mm to 1220mm

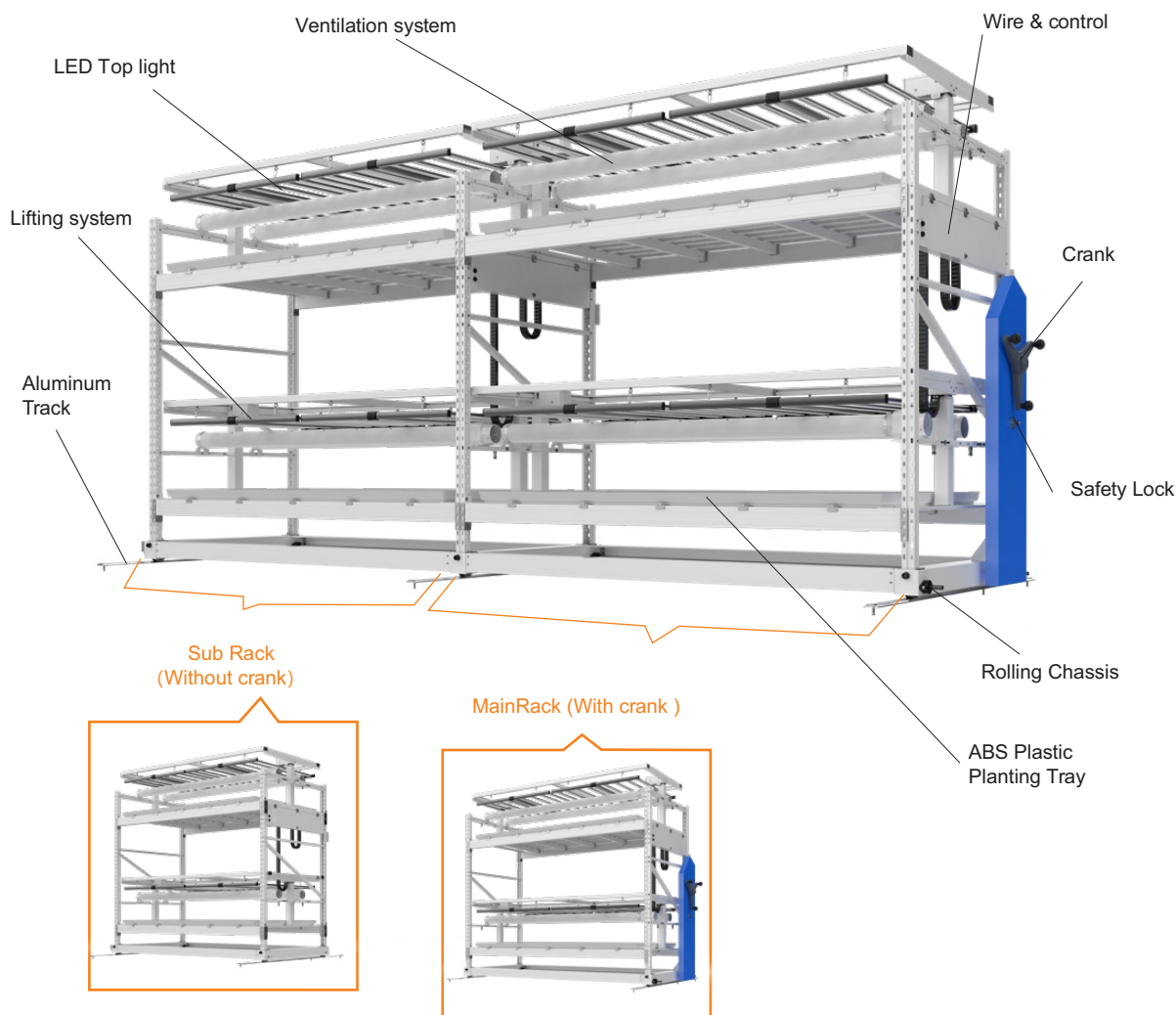


#### Ventilation System

Consistent Microclimates Bring Consistent Yields

# G18 DESCRIPTION

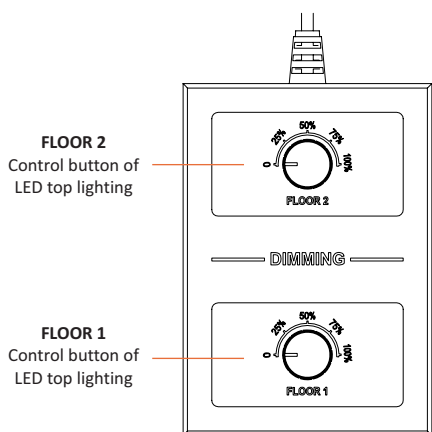
## Product Components



Notice: Can be connected to more Sub Racks (5 Max).

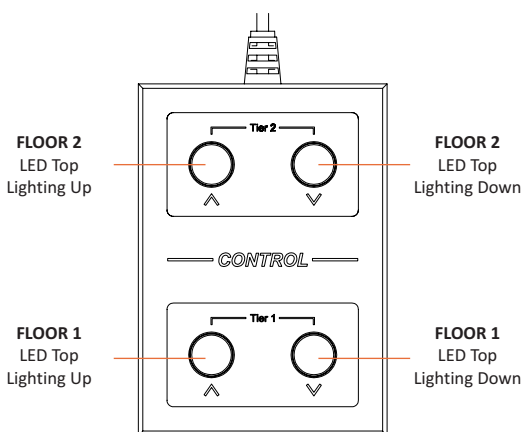
# G18 SMART Grow Rack System

## Operation instructions of control panel :



Dimming control board

Optional



Lifting system control board

Standard configuration

# G18 SMART

## Grow Rack System

### Rolling Grow Rack:

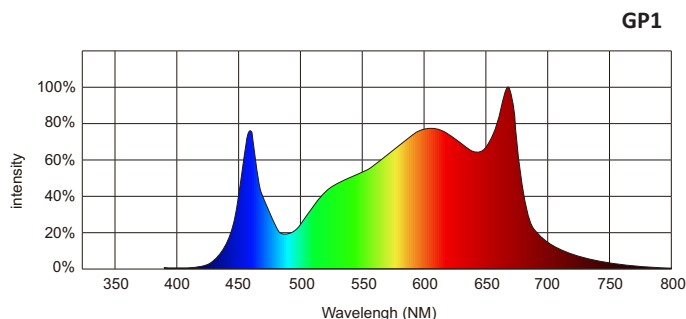
SPECIFICATIONS	
Main Rack Dimensions(L.W.H)   Weight	9.02x4.0x10.96FT   880lbs 2750x1220x3340mm   400KG
Auxiliary Rack Dimensions(L.W.H)   Weight	8.2x4.0x10.96FT   665lbs 2500x1220x3340mm   302KG
Single Tier Dimensions(L.W.H)	8.2x4.0x4.6FT(2500x1220x1400mm)
Per Bay	2 Tiers
Load weight of each layer	2205 lbs (1000 kg)
ABS Plastic Planting Trays Dimensions(L.W.H)	7.41x3.95x0.2FT(2260x1205x60mm)
Planting Trays Sewer Diameter	0.2FT(60mm)
Aluminium Track Length	6.5FT (2000mm)
Maximum quantity of auxiliary rack supported by one main rack	5 Subframes
Warranty Lifetime	3 Years

# G18 SMART

## Grow Rack System

 LED Top lighting:

SPECIFICATIONS	
Input Wattage	820W (4X) Per Bay
Input Voltage	AC220-277V 50/60Hz
PPF (Light output $\pm 5\%$ )	2105 $\mu\text{mol/s}$
PPE	2.66 $\mu\text{mol/J}$
Dimming Control	0-10V control panel dimming
IP Rating	Wet location
Dimensions   Weight	3.73x3.65x0.16FT   15.1lbs 1137x1112x48mm   6.85Kg
Ambient Temperature	14 ~ 104 F (-10 ~ 40 $^{\circ}\text{C}$ )
Warranty   Lifetime	3 year   Q90>36,000hrs



# G18 SMART

## Grow Rack System

 Single Layer Smart Electric Lifting System:

SPECIFICATIONS	
LED Light Minimum Height	1.84FT(570mm)
LED Light Adjustable Height	From 1.87FT(570mm) to 4.0FT(1220mm)
Lifting System Load Capacity	800N
Lifting System Input Voltage	AC100-240V 50/60Hz
Lifting System Input Power	80W
Lifting Constant Speed	35mm/s
Anti-Collision	Yes
Power Consumption	0.3W
Lifting System IP Rating	Damp Location
Working Altitude	<4000 Meters
Ambient Temperature	14 ~ 104 F (-10 ~ 40 C)
Lifting System Relative Humidity	20%-80% at 86 F (30 C)
Certifications	UL Listed
Warranty   Lifetime	3 Years



# G18 SMART

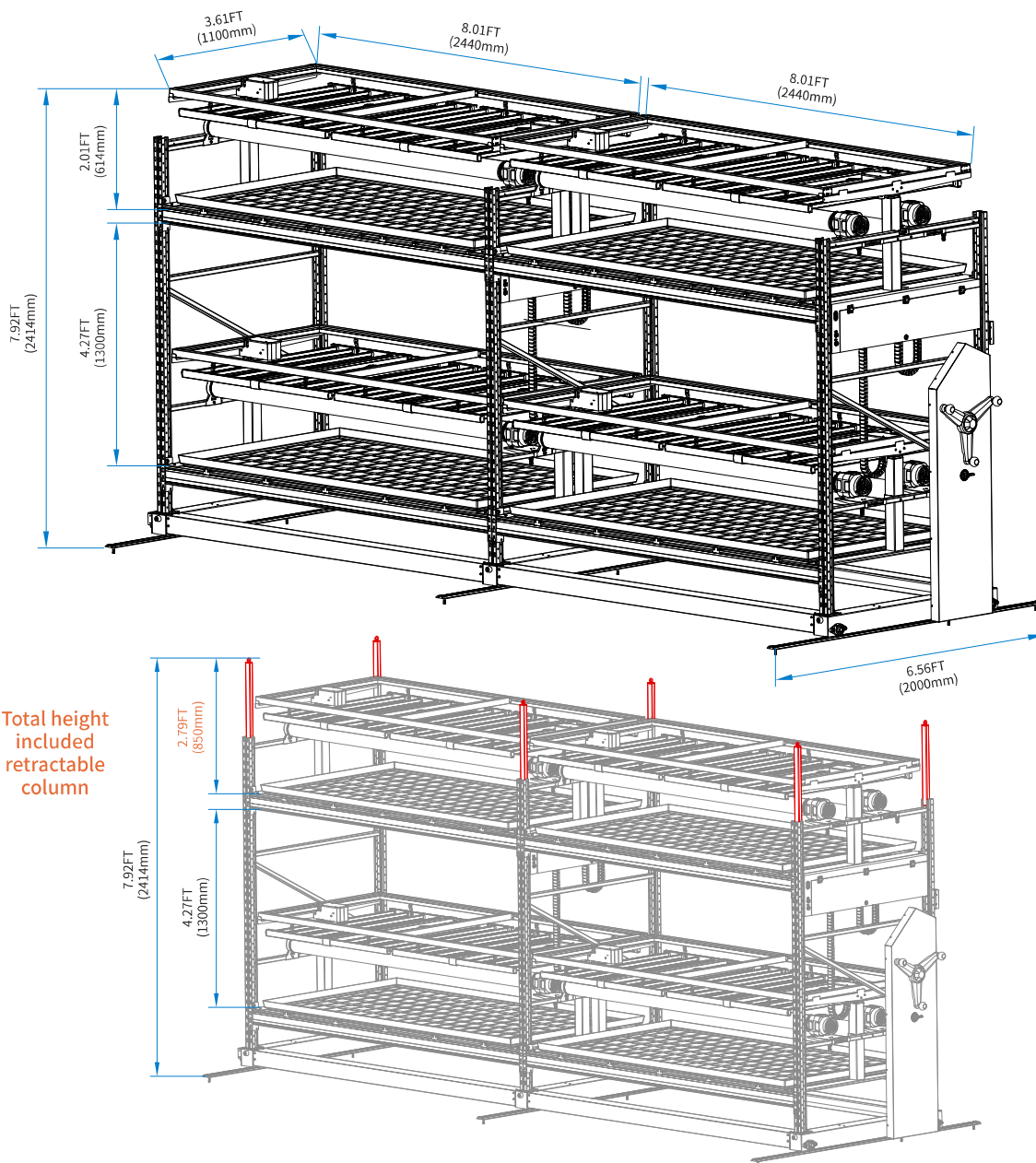
## Grow Rack System

### Ventilation System:

SPECIFICATIONS	
Fan Input Wattage	70W Per Bay
Fan Input Voltage	AC110-240V 50/60Hz
Air Volume	487-590m <sup>3</sup> /h
Adjustable Fan Speed	2545-3080rpm
Lifting System Relative Humidity	20%-80% at 86 F (30 C)
Working Altitude	<4000 Meters
MERV Filter Dimensions(L.W.H)	23.42x23.42x0.78in(595x295x20mm)
MERV Rating	HEPA H10
Diameter of air outlet connection	0.2FT(Φ60mm)
Diameter of air inlet connection	0.5FT(Φ150mm)
Quantity of Air Guide Tube for Every Tier	2PCS
Ventilation System Dimensions(L.W.H)	7.53x0.2x0.66FT(2295x60x200mm)
Ventilation System Adjustable Height	From 1.47FT(450mm) to 3.12FT(950mm) by Every 0.32FT(100mm)
Ambient Temperature	14 ~ 104 F (-10 ~ 40 C)
Certifications	ETL Listed
Warranty   Lifetime	3 Years

# G18 SMART Grow Rack System

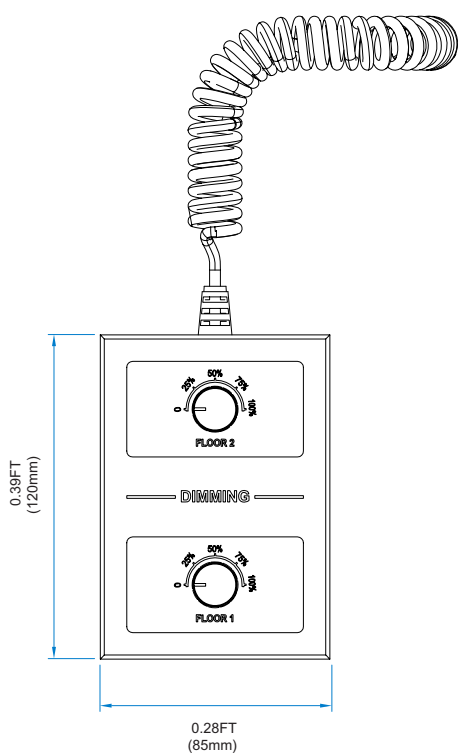
## Rolling Grow Rack Dimension:



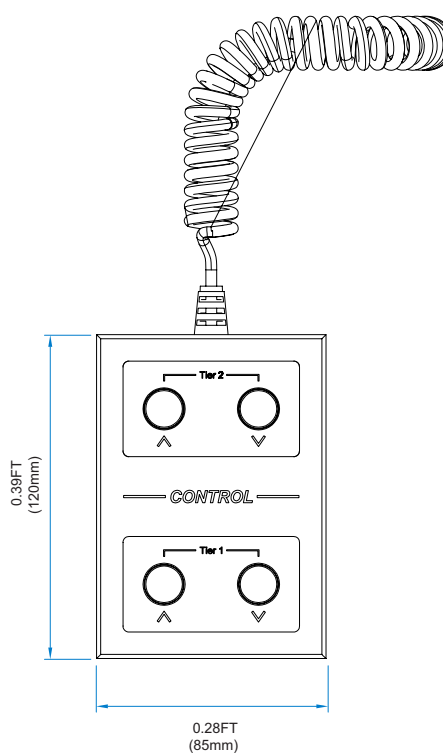
# G18 SMART

## Grow Rack System

 Dimension of control board:



Dimming control board

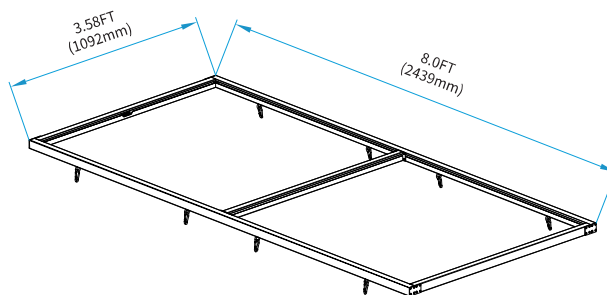


Lifting system control board

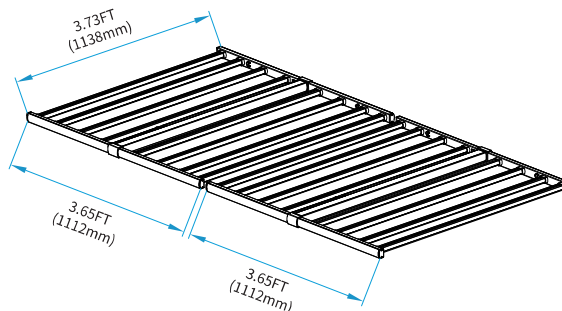
# G18 SMART Grow Rack System

## LED Top lighting Dimension:

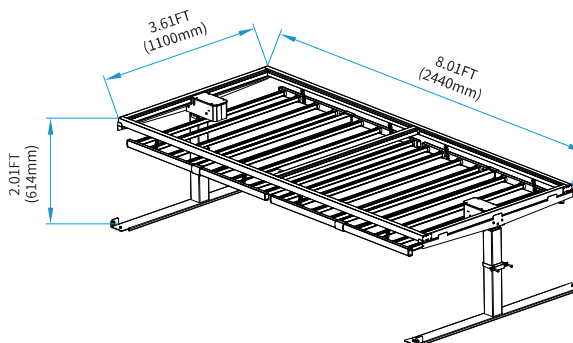
LED Grow  
light frame  
subassembly



G16 LED Grow  
Light



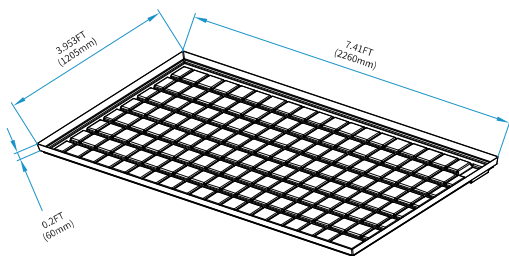
Lifting system  
subassembly



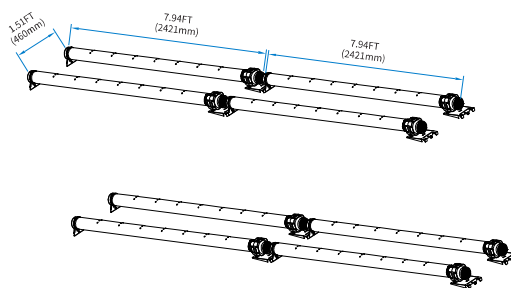
# G18 SMART

## Grow Rack System

### Dimension of other subassemblies:



Planting tray



Ventilation system

### Packaging Information:

Model	Carton Size	G.W / Carton	Quantity / Carton
G18-01 Main Rack	232*135*76cm (Wooden packing)	400Kg / 880lbs	1 PCS
G18-02 Auxiliary Rack	232*135*76cm (Wooden packing)	300Kg / 880lbs	1 PCS

