



G91

Smart Design Grow Rack System



Integrated Features

-  360-degree fill lighting with complete coverage
-  With a slight tilt design for easy drainage
-  Top Light Lifting System and removable edge Lighting
-  Smart Control system Option
-  Adjustable position Air Ventilation
-  Maximizing Planting Space



360° Light Supplement

Top Light on every Layer

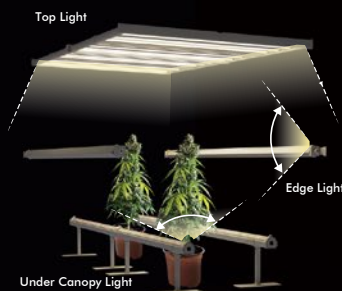
4*4 ft or 4*8ft folding grow light

Edge Light on every layer

8ft adjustable beam angle grow light bar

Under Canopy Light on every Tray

4ft or 8ft under canopy light

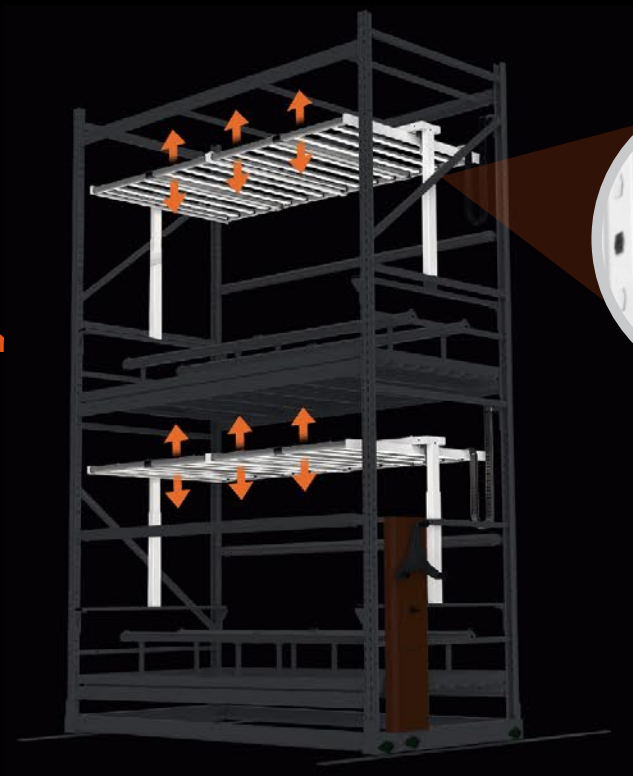


 **35%-40%**

Uniform light cover make the flowers more symmetrical and increase harvest

Top Light Lifting System

The height of LED light can be adjusted from 650mm to 1220mm

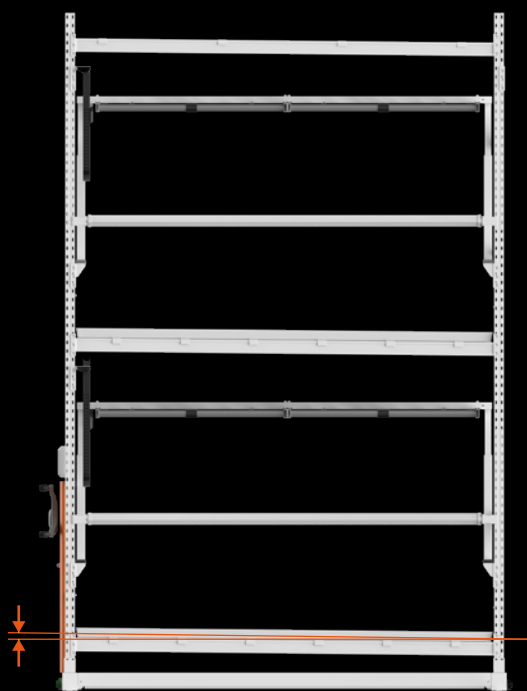
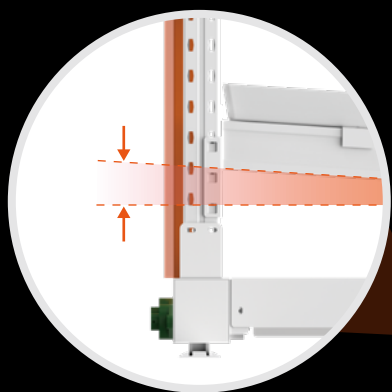


Electric Control

Slight Slope Design

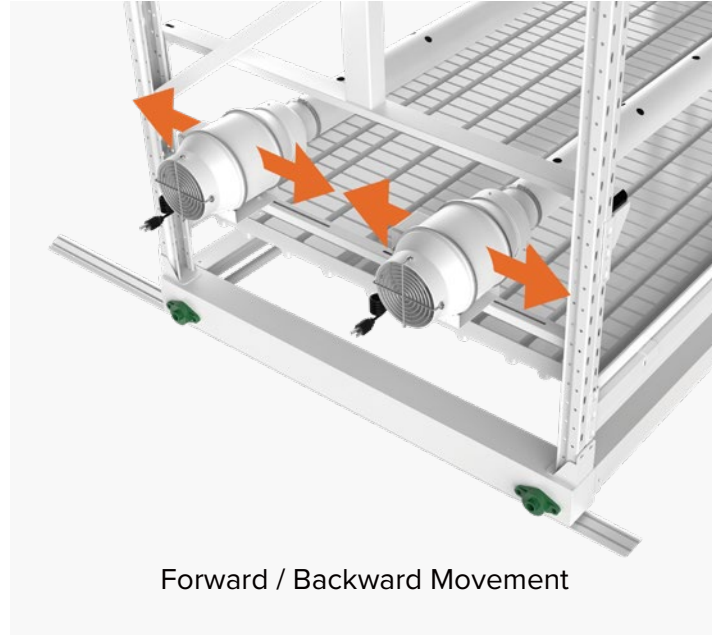
Making your tray levels with little slant angle to get easy drainage.

1" increments



Flexible Positioning Air Ventilation

Forward and backward movement + Up and down direction movement



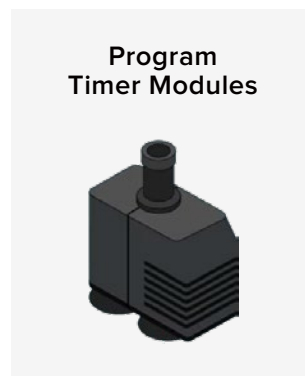
Control System

Composite control system for all your requests with touch screen and APP function.

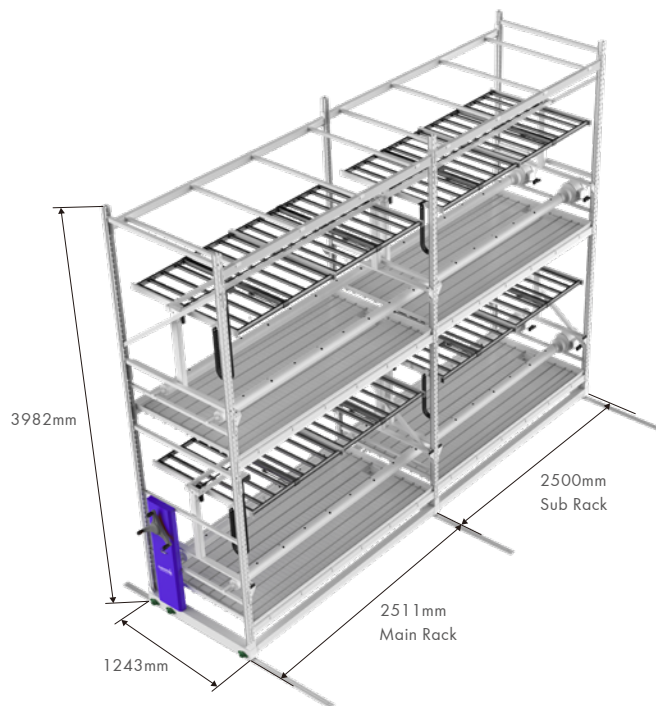


11+ Key Features

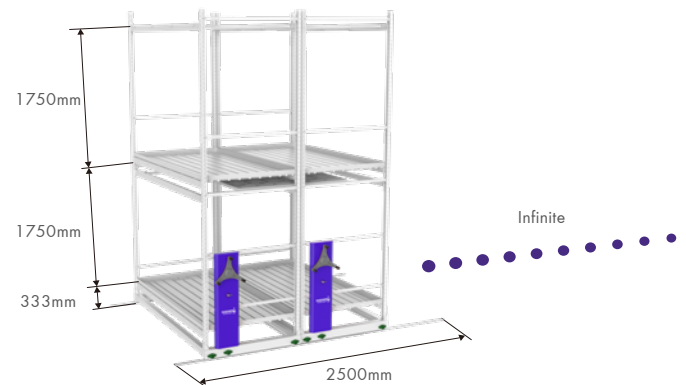
- CO₂ Enhancement
- Lighting Control
- Gardening
- Irrigation System
- Climate Control
- Fan Controller
- Container Farming System
- Environmental Control
- PH EC Controller
- Fertigation system
- Heating Control System
-



Dimensions



Notice: One Master Rack can group Maximum 5 Sub-Racks



Product Components

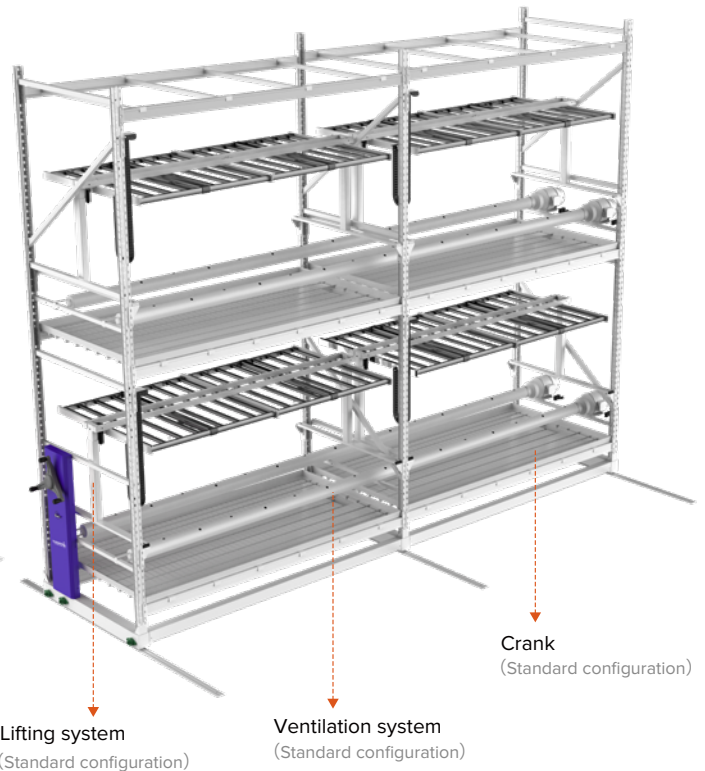
LED Top light
(Optional)

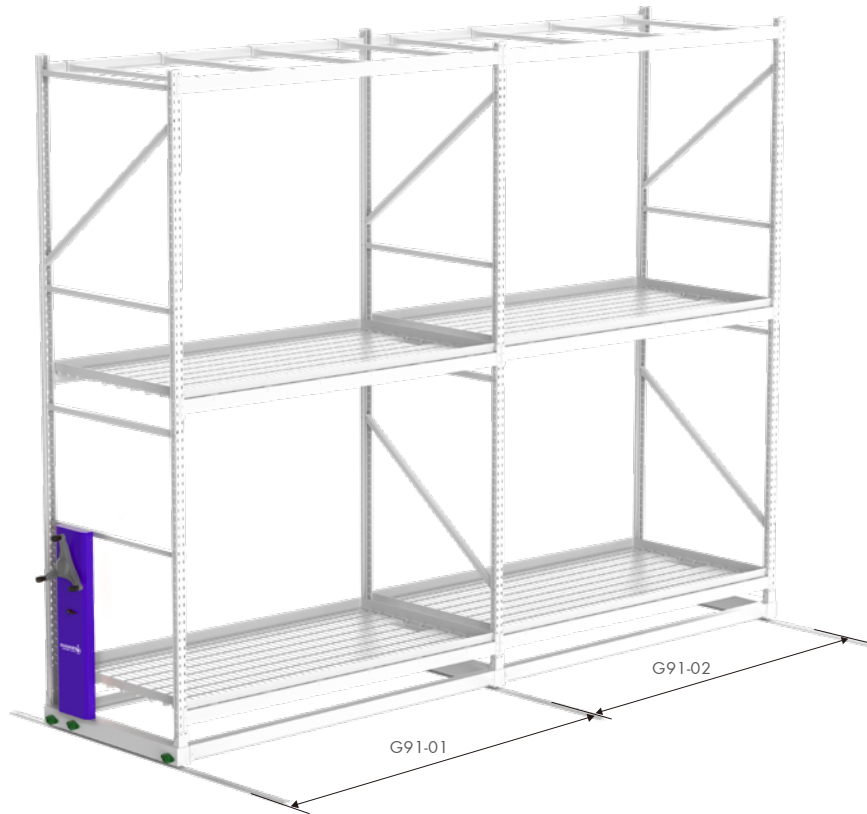
Under Canopy Light
(Optional)

Edge Light
(Optional)

Crank
(Standard configuration)

Aluminum Track
(Standard configuration)



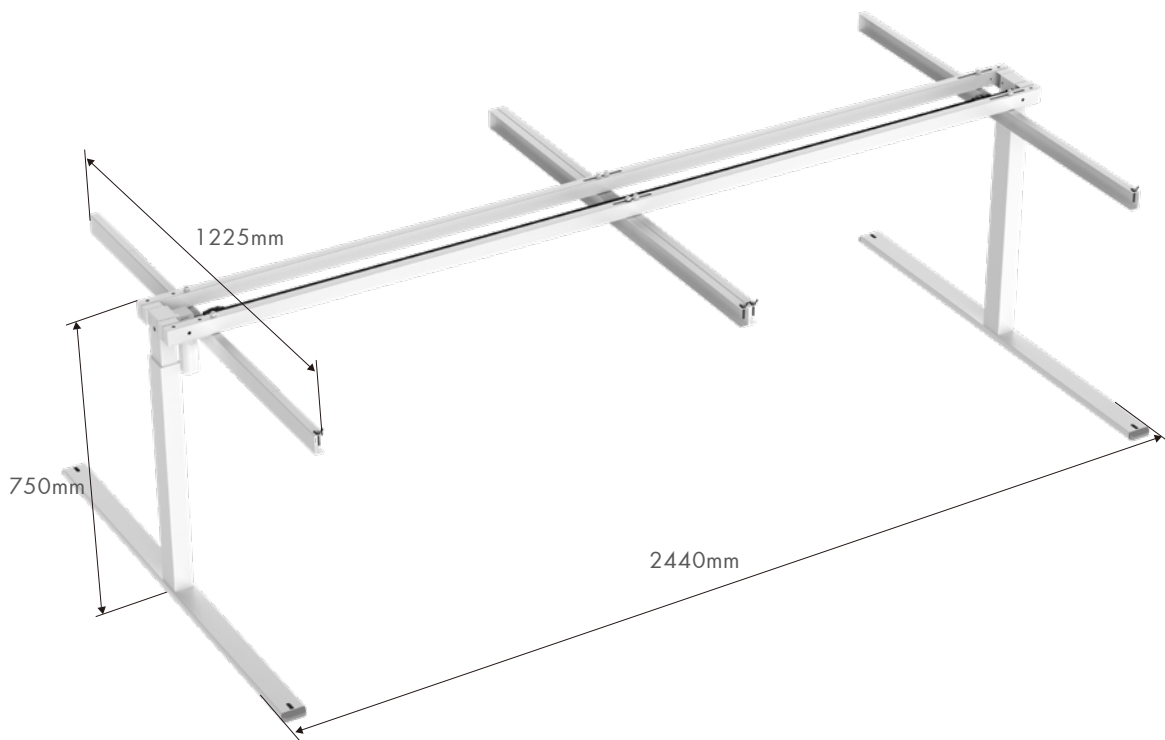


Rolling Grow Rack Specifications

Model	G91-01/02
Main Rack Dimensions(L.W.H) Weight	8.2 x 4.0 x 13FT 372lbs (2511 x 1243 x 3982mm 169KG)
Sub Rack Dimensions(L.W.H) Weight	8.2 x 4.0 x 13FT 253lbs (2500 x 1243 x 3982mm 115KG)
Single Tier Dimensions(L.W.H)	8.2 x 4.0 x 5.7FT (2500 x 1243 x 1750mm)
Load Weight of Each Layer	880 lbs (400 kg)
ABS Plastic Planting Trays Dimensions(L.W.H)	8x4x0.25FT (2440 x 1220 x 78mm)
Planting Trays Sewer Diameter	0.2FT (60mm)
Number of Connections	5PCS (One Master Rack can group Maximum 5 Sub-Racks)
Aluminium Track Length	8.2FT (2500mm)
Warranty	3 Years

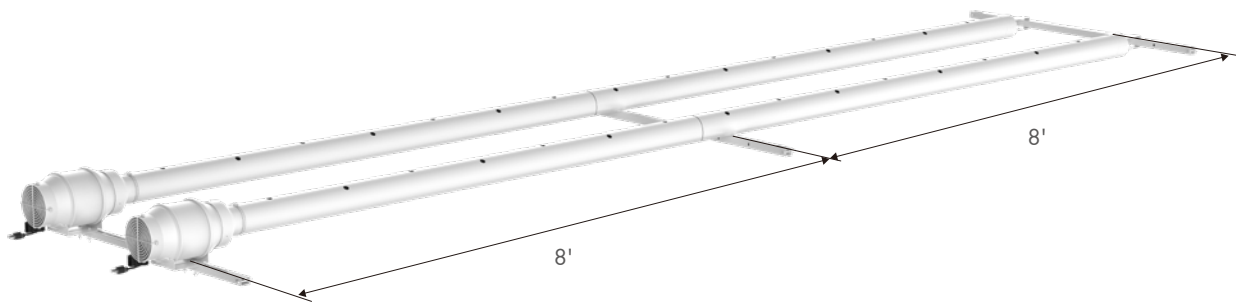
Packaging Information

Model	Carton Size	G.W per carton	20'GP	40'HQ
G91-01(Main Rack)	** (collective packing)	Estimate: 169Kg / 372lb	100 PCS	220 PCS
G91-02(Sub Rack)	** (collective packing)	Estimate: 115Kg / 253lb	100 PCS	220 PCS



Lifting System Specifications

Model	L88-01
Lifting System Voltage	110-240V
Lifting System Power	29W
Lifting System Height Range	720-1160mm
Lifting System Bearing	110 lbs (50 kg)
Dimensions(L.W.H)	8x4x2.5FT (2440 x 1225 x 750mm)
Warranty	3 Years



Ventilation System Specifications

Model	G20-70W-10	G20-72W-10	G20-180W-10
Fan Size	4"	6"	8"
Maximum Length of load racks	8'	32'	56'
Fan Voltage	100-240V	100-240V	100-240V
Fan Power	70W	72W	180W
Fan External Dimensions	302×205×185mm	315×225×210mm	302×250×237mm
Duct Diameter	4"	Conversion Head 6"to 4"	Conversion Head 8"to 4"
Fan Air Volume	366m ³ /H	500m ³ /H	1250m ³ /H
Average Exit Air Velocity For The Most Loaded Shelf	>4.6m/s	>4.6m/s	>5.5m/s
Operating Temperature	-20~+60℃		
Adjustable wind speed	YES		
Pipe Material	400D(4" diameter, anti-bacterial and anti-fungus material)		
Type Of Wind Speed Controller	Infinitely adjustable speed		
Maximum Number Of Single Controller Controls	6		
Warranty	3 years		
Certification	ETL		

Note: The secondary frame pipe needs to be ordered separately. The connection method between the main pipe and the secondary pipe is by using a zipper. It is also possible to customize a seamless integrated pipe for the main frame and the secondary frame.

Statement: all product parameters in this book are just for your reference. GK has the right to revise or cancel the related parameters at anytime without an advance notice. If you have any questions, please contact our customer service hotline.