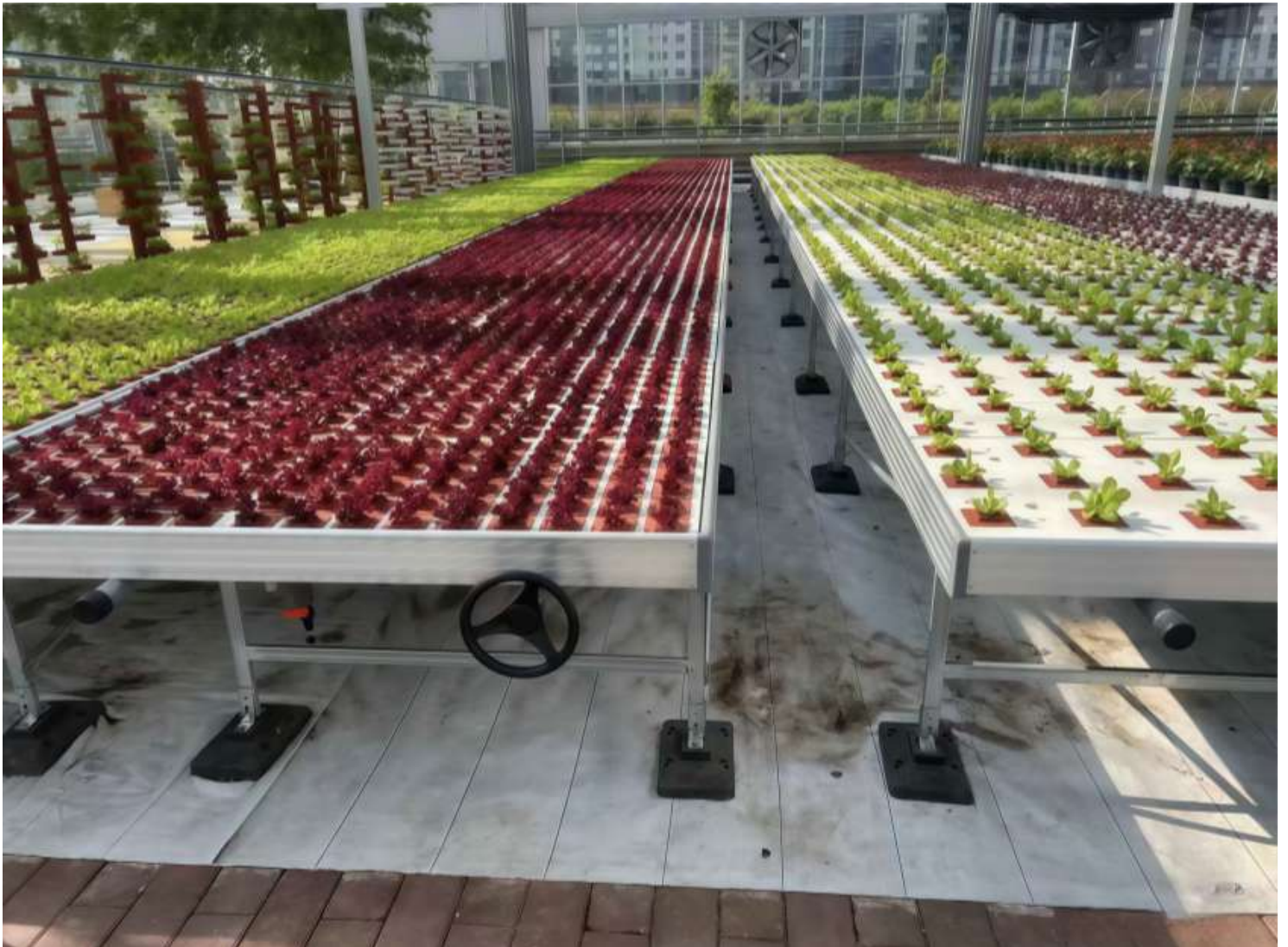


# PRODUCT CATALOGUE

Henan Greenleafy Agricultural Technology Co.,Ltd



**Greenleafy**

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# Who We Are?

Henan Greenleafy Agricultural Technology Co., Ltd  
GREENHOUSE · BENCH · HYDROPONIC SYSTEM EXPERT

Providing professional greenhouse, bench, and hydroponic equipment manufacturing solutions.

We are an integrated industry and trade enterprise specializing in the R&D, production, and installation of advanced agricultural equipment. We are dedicated to providing turn-key custom solutions for modern horticulture, including commercial greenhouses, seedling benches, and hydroponic cultivation systems.

Specializing in the production of greenhouse structures, professional benching systems, and high-efficiency hydroponic equipment, we have successfully custom-fabricated and implemented complete turnkey growing systems for numerous agricultural projects, commercial farms, and research institutions worldwide.

Since 2012, on the level and quality of agricultural technology manufacturing, now Henan Greenleafy has been committed to approaching global top standards, serving growers with integrity and expertise!





## Introduction

Ebb and flow rolling bench is a form of hydroponics that is known for its simplicity, reliability of operation and low initial investment cost.

It uses flooding and drainage processes to transfer the growth medium to the plants, which is easier for plant roots to absorb, and makes full use of the nutrient solution to make the plant grow vigorously.

The nutrient solution is pumped from a reservoir underneath the growing tables until the water gets to a desired level. Then the nutrients slowly drain back down into a nutrient reservoir. When plants are flooded from below the water pushes oxygen-poor air out of the top of the bucket.

## Structure of equipment

Tray

Frame corner

table structure

Legs

Inlet and Outlet

Product Name	Ebb and flow rolling table
Tray thickness	3mm
Tray depth	70mm
Width	2ft,3ft, 4ft,5ft,5.5ft and 6ft
Length	Can be customized
Height of table	70cm
UV Protective	Yes
Usage	growing hemp, flowers, strawberries and various seedlings.
	We can customize the tables according to your requirements



## Introduction

The logistics seedling bench represents a modular conveyor system designed for industrialized seedling cultivation, characterized by its structural flexibility, high spatial utilization efficiency, and amenability to automation. By integrating continuous conveyor lines with zone-based scheduling, the system effectively minimizes manual handling costs while ensuring that the seedling cultivation process remains both highly efficient and standardized.

Seedling trays are driven by the conveyor lines, automatically circulating along a predetermined path to designated workstations, where they are diverted or temporarily buffered in accordance with the operational workflow. Through segmented control, the system effectively eliminates the issues of disorderly queuing and congestion often associated with traditional manual handling methods.

Product Name	logistics seedling bench
Tray thickness	3mm
Tray depth	70mm
Width	2ft,3ft, 4ft,5ft,5.5ft and 6ft
Length	Can be customized
Height of table	70cm or customized
UV Protective	Yes
Usage	growing hemp, flowers, strawberries and various seedlings.
	We can customize the tables according to your requirements

# Multi-layer rolling table



## Multi-layer rolling table

### Features:

1. Water-saving and efficient, completely closed system circulation, can achieve 90% utilization rate
2. Plants grow faster, and the seedling age can be one day earlier per week than the traditional seedling method, improving the utilization rate of facilities;
3. Save water and fertilizer, save labor cost for irrigation
4. Relative humidity is easy to control, keep the leaf surface dry, and reduce the use of chemical drugs;



### ◆ Structure Component

Name	Multi-layer rolling table
Tray thickness	3mm
Tray depth	70mm
Width	2ft,3ft, 4ft,5ft,5.5ft and 6ft
Length	Can be customized
Hot sale size	4x8ft,4x12ft,4x16ft, customized
Heavy/Weight load	50-100kg/m <sup>2</sup>
Growing tier	2-5tier
Height	8-19ft
Color	Grey
Life time	15years
MOQ	1set



## Functional Use

It is mainly used for crop cultivation in modern agricultural greenhouses, such as hydroponic vegetable seedling, seedling cultivation of various crops, flower planting and production, and greenhouse scientific research and other fields.

### Features:

1. Significantly improve water use efficiency, water consumption can be reduced by more than 33%. At the same time, because irrigation water can be collected and reused, it also reduces water waste.
2. Humidity is easily controlled to keep crops dry and reduce the amount of chemicals used. It is very dry under the beds, which can reduce the growth of fungi and thus reduce the incidence of disease.
3. High quality hot-dip galvanized support, corrosion resistance, anti-aging, easy to deal with a variety of complex planting environment, so that the seedbed has a longer service life.
4. Made of high-quality steel wire or other high-strength materials welded together, capable of bearing a certain weight of seedlings, cultivation substrates, and related equipment. Has strong load-bearing capacity.

Material	Galvanized steel
Width	1.7m, can be customized
Length	6m, can be customized
Height	60cm, can be customized
Load capacity	50kg/sqm
Usage	Hemp, flower, vegetables
Life time	10-15years
Common wire diameter	3*3mm 3.2*3.5mm 4*3mm
The base	Can be adjusted
The surface	Stainless steel wire mesh

# Options for growing table



Trellis for rolling bench



Net for rolling bench



Cat walk for multi-layer table



Ventilation system for grow rack



Base for growing table



Upper and lower water outlet

# Greenhouse accessory--Felt Grow Bags



Felt Grow Bags

## Introduction

Felt planting bags—also known as fabric grow bags or non-woven planting bags—are gaining increasing popularity in nursery cultivation and home gardening, thanks to their exceptional air and water permeability and their unique "natural root pruning" effect.

Compared to traditional plastic pots, they offer distinct advantages in terms of promoting root health and reducing transplanting costs.

## Growing

**Small Bags (1 – 5 gallons):** Suitable for growing most vegetables, strawberries, and herbaceous flowers.

**Medium Bags (5 – 15 gallons):** Suitable for growing roses, blueberries, and small fruit trees.

**Large Bags (15 gallons and above):** Suitable for growing large fruit trees and ornamental trees.

Product Name	Felt Grow Bags
Capacity	1/2/3/5/7/10/15/20/25/30/50/100/200 Gallons
Material	Polyester Felt
Thickness	1/2 mm
Application	Gardening
Warranty	2 Years
Color	Black, White, Green, Khaki and can be customized
Features	Highly breathable and water-permeable; natural root-pruning function; eco-friendly and durable; moldable form.
We can customize the equipment according to your requirements	

# Greenhouse accessory--Plastic Grow Bags



## Plastic Grow Bags

Plastic grow bags are a highly practical tool in modern horticulture, combining the advantages of both traditional flower pots and in-ground planting.

Key Selling Points: Plastic grow bags optimize root growth, enable precise control over water and nutrients, facilitate easy transplanting and transport, and allow for flexible spatial arrangement.



Product Name	Plastic Grow Bags
Capacity	1/2/3/5/7/10/15/20/25/30 Gallons
Material	Polyethylene
Thickness	10–250 microns
Application	Home Gardening, Nursery Propagation
UV Protection	1–2 year
Warranty	1 year
Color	White, black
Features	Convenient and economical
We can customize the equipment according to your requirements	



### Functional Use

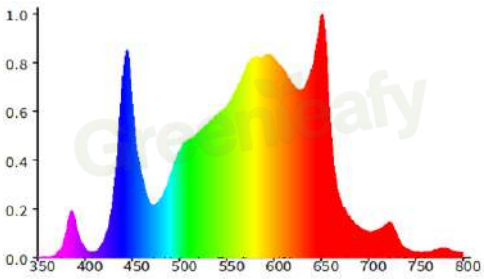
- 1.The design of the drainage channel ensures that water can reach the roots of plants more smoothly
- 2.Bottom holes are beneficial for rapid plant growth
- 3.Features a water channel design that allows moisture to flow smoothly to the bottom, facilitating absorption by the roots; possesses high durability.
4. The working depth is appropriate and penetration is high ; this ensures that seedlings do not emerge prematurely, thereby facilitating their smooth transition into the growth phase.



Name	Seedling tray
Material	PET
Color	Black
Holes	21/32/50/72/105/128/200/240/288/512holes
Application	Seedling Propagation, Vegetables, Flowers, and Green Plants
Weight	60g/80g/100g/110g/120g/150g
Thickness	0.3–2.8mm
Package	Carton package
Advantages	Eco-Friendly, Durable, Reusable, Recyclable, Customized
Usage	propagating vegetables, flowers, wheat, rice, cereal, etc.

# 640W Grow Light

640W PPF

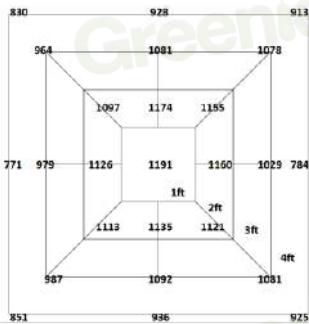


## Introduction

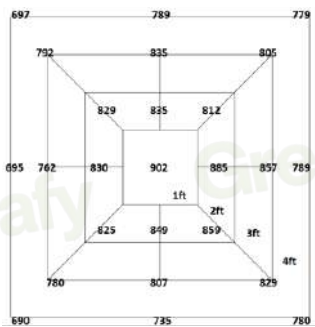
LED plant growth lamp series, folding design to have a smaller packaging volume, efficient and practical, easy to install, making it the first choice for a complete set of lighting solutions. The cycle of commercial cannabis cultivation is crucial for innovative agriculture. It helps customers achieve sustainable development—Planting all year round, a good formula means—Higher growth, greater harvest, and higher quality plants.

- Detail of 640W grow lights
- Thermal Management: Passive
- Max Ambient Temperature: 104°F / 40°C
- Warranty: 3 years
- Fixture Dimensions: 1100\*1100\*80mm
- Packing size: 1150\*100\*570mm

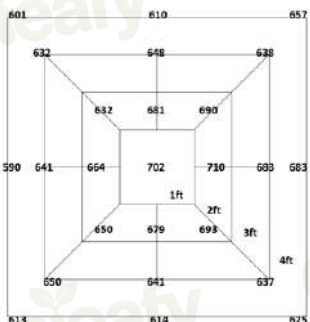
Distance from plant: 12"



Distance from plant: 15.7"



Distance from plant: 19.6"

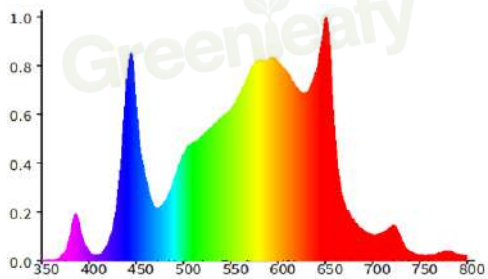


## ◆ Parameter

Product Name	640W Grow Lights
LED Chips	3000+5000K White+660nm red +395nm uv+730nm ir
Light Output PPF	1792umol/s
Efficacy	2.8umol/J
AC Input Voltage	100-277V
Dimming	0-10v
light Bear Angle	120°
Weight	9.9KG
We can customize the equipment according to your requirements	

# 800W grow light

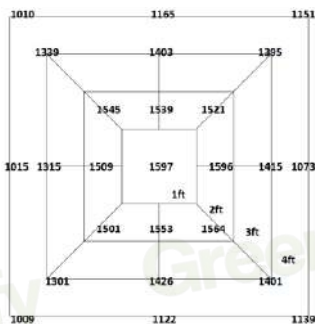
## 800W PPF



### Introduction

- 1.Reduce cultivation period and extend flowering period.
- 2.Promote early maturity of plants, increase product yield, and improve fruit quality.
- 3.Ensure the taste of vegetables in greenhouses and cultivate them off-season.
- 4.Inhibit the reproduction of germs and pests, reduce the use of pesticides, and ensure that the products are green and pollution-free.

### Distance from plant:12"



Detail of 800W grow lights

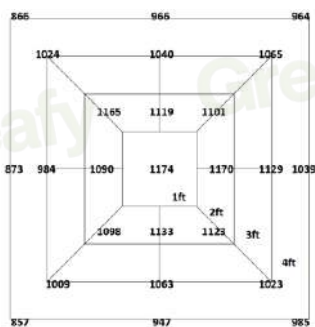
Max Ambient Temperature:104°F/40°C

Warranty: 3years

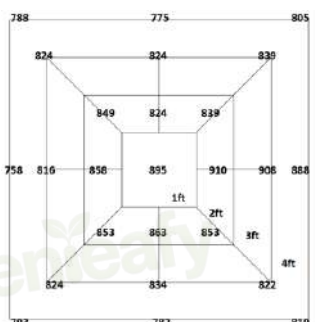
Fixture Dimensions: 1100\*1100\*80mm

Packing size: 1150\*100\*570mm

### Distance from plant:15.7"



### Distance from plant:19.6"

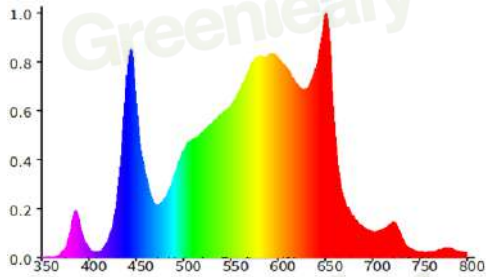


### ◆ Parameter

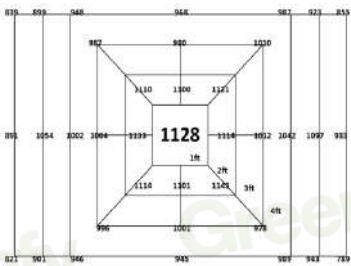
Product Name	800W Grow lights
LED Chips	3000+5000K White+660nm red +395nm uv+730nm ir
Light Output PPF	2240umol/s
Efficacy	2.8umol/J
AC Input Voltage	100-277V
Dimming	0-10v
light Bear Angle	120°
Weight	12KG
We can customize the equipment according to your requirements	

# 1000W grow light

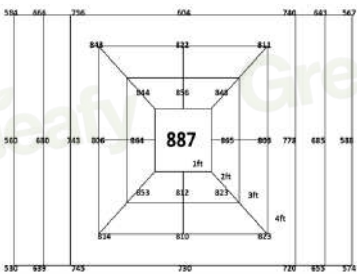
## 1000W PPF



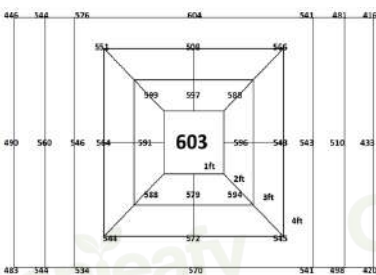
### Distance from plant:12"



### Distance from plant:15.7"



### Distance from plant:19.6"



## Introduction

- 1.Reduce cultivation period and extend flowering period.
- 2.Promote early maturity of plants, increase product yield, and improve fruit quality.
- 3.Ensure the taste of vegetables in greenhouses and cultivate them off-season.
- 4.Inhibit the reproduction of germs and pests, reduce the use of pesticides, and ensure that the products are green and pollution-free.

Detail of 1000W grow lights

MaxAmbient Temperature:104°F/40°C

Warranty: 3years

Fixture Dimersions: 1100\*1800\*80mm

Packing size: 1150\*100\*940mm

## ◆ Parameter

Product Name	1000W Grow lights
LED Chips	3000+5000K White+660nm red +395nm uv+730nm ir
Light Output PPF	2800umol/s
Efficacy	2.8umol/J
AC Input Voltage	100-277V
Dimming	0-10v
light Bear Angle	120°
Weight	14KG
We can customize the equipment according to your requirements	

## Single-Layer Mobile Bench – Canada

Project: Ornamental seedling nursery, Ontario

Solution: Export of galvanized steel mobile benches (width 5ft, height 0.75m, load capacity 50kg/m<sup>2</sup>). Added insulated base to prevent cold bridging. Compliant with CSA and North American safety standards. Full English documentation provided.

Result:

Space utilization increased from 55% to 80%

Bench surface temperature 2 – 3°C higher in winter, reducing heating costs

Follow-up order for 4ha of greenhouse benches



## Multi-Layer Vertical Bench – America

Project: Urban leafy green farm, California

Solution: Export of 2-tier vertical bench system (1.2m × 3m per tier). Modular bolted structure, integrated LED lighting and ebb & flood irrigation. FDA-compliant food-safe materials. Compact packaging for ocean freight.

Result:

Yield per floor area 2.8 times that of single-layer benches

45% water saving with closed-loop irrigation

Featured as a vertical farming showcase in BC

