

Vireo



Presentation of the Vireo Hydroponic Garden



General product information

Mobility

The garden is on wheels and its dimensions let him easily pass through any standard door or elevator. The garden only needs a standard 3 pin electric socket to operate.

Intuitive control

All lights, pumps and other components can be controlled or adjusted through the secure touchscreen located in the locked compartment.

Locked storage

The garden offers a locked storage space for all the needed tools, fertilizer or more fragile components.

Autonomy

The garden can run autonomously for about 2 weeks depending on the growth of plants.

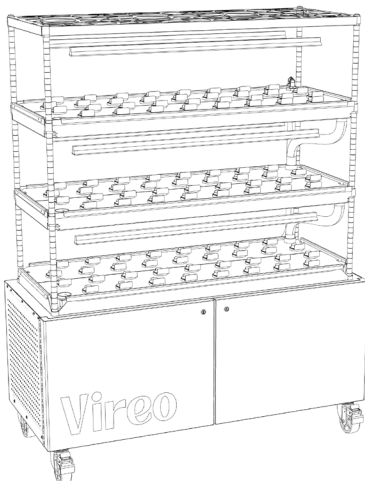
Growth capacity

The garden can hold 102 mature plants and 98 germinating seeds.

LED horticultural lights

All lights are specifically designed to provide the plants with the luminous intensity and light spectrum they need by using white light, which does not disturb the class.

Technical specification



Size (L x W x H)	63.80" x 27.5" x 75.75" 1620.50 mm x 698.85 mm x 1924 mm
Light specification	6400 K, 48 W 6400 K, 18 W Efficacy : 100.2 lm/W
Number of plants	34 per level 102 total
Weight	275 lbs (125 kg)
Electrical requirement	1x standard 3 pins socket (NEMA 5-15 grounded [Type B], 15 A 125 volt)
Water reservoir capacity	26.5 gallons (100 L)
Other	4x Caster wheel with brake

Annotated diagram of the garden



A.
Upper section
(Growing section)

A.1
Horticultural LED light 48"

A.2
Level shelf

A.3
Shelf tubing

A.4
Water downspout

A.5
Water inlet

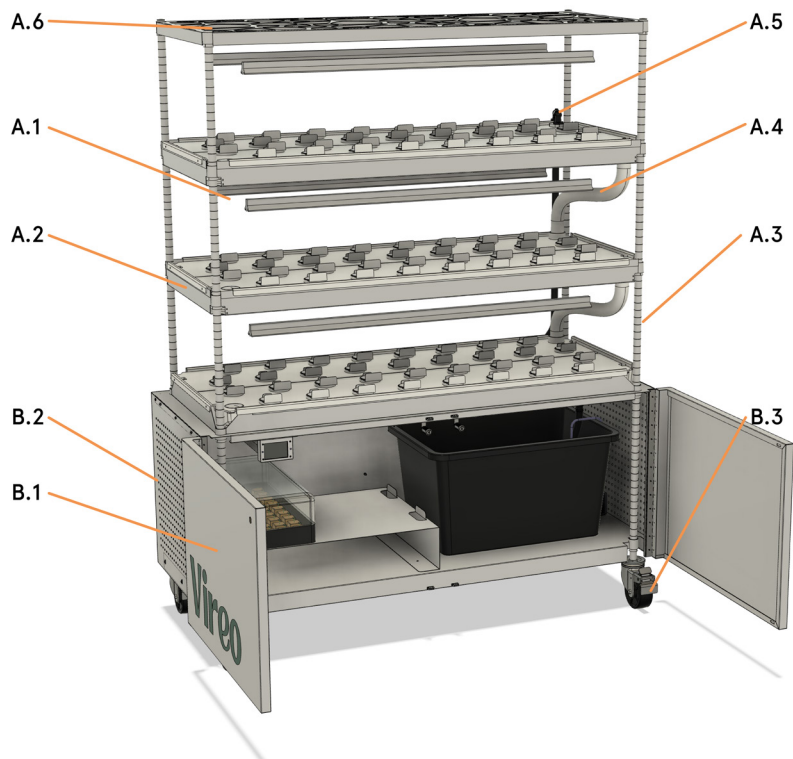
A.6
Vegetable wire mesh

B.
Lower section
(Storage, mechanical /
electrical & nursery section)

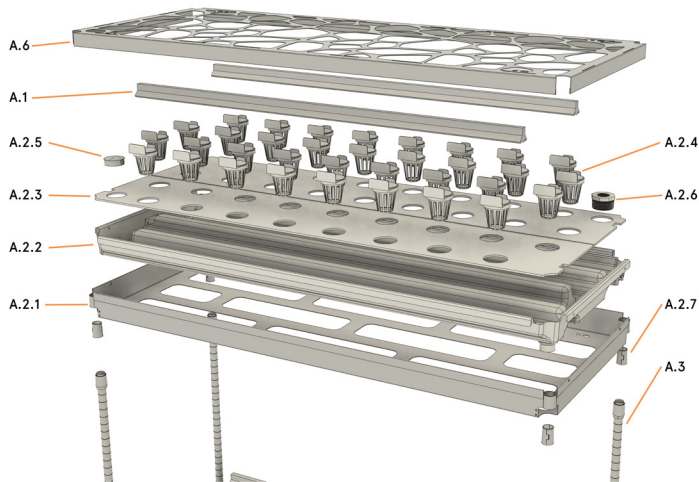
B.1
Door with lock

B.2
Pegboard

B.3
Swivel wheel with brake



Annotated close-up of the garden



A.1
LED light 48"

A.2
Level shelf

A.2.1
Tray holder

A.2.2
Grow tray

A.2.3
Tray cover

A.2.4
Net pod

A.2.4.1
Pod cover

A.2.4.2
Pod mesh

A.2.4.3
Plant label

A.2.5
Hole cover

A.2.6
Water inlet adapter

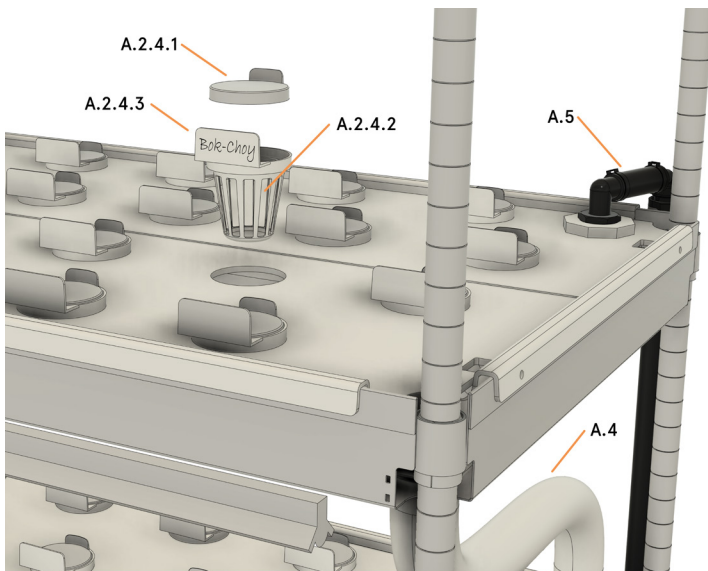
A.2.7
Tray holder adapter

A.3
Shelf tubing

A.4
Water downspout

A.5
Water inlet

A.6
Vegetable wire mesh



B.
Lower section
(Storage, mechanical /
electrical & nursery
section)

B.1
Door with lock

B.2
Pegboard

B.3
Swivel wheel with brake

B.4
Reservoir

B.5
Nursery

B.6
Horticultural LED light
for the nursery

B.8
Tactile screen

B.9
Oxygenation system

