



ZIP FARMTM

BUYERS GUIDE



Customizable Indoor
Farming Systems



Light Rack with Single Sided LED's

- 1

The Zipgrow™ Light Rack is essential to any successful ZipFarm™ enabling the LED lights to hang vertically between a row of ZipRacks. Each steel framed Light Rack contains 24 LED Lights along with the required LED drivers.

x1

ZipRack with 8' ZipGrow™ Towers

- 2

The ZipRack is the core component of any ZipFarm™. These patented modular steel frame units come with the necessary headers, gutters, drain lines and plumbing components, as well as thirty 8' ZipGrow™ Towers with Matrix Media™ and Wicking Strips.

X3

Plumbing

- 3

Package includes a 330 gallon reservoir, pumps, filter, UV clarifier, reverse osmosis system.

X1

Seedling Starter Area with LEDs

- 4

Your Seedling Starter Area is where your seeds will begin growing. Each Area includes one steel rack, three 2' x 6' flood tables (enough to fit 3600 seedlings), nine 6' LED lights, one submersible pump, one 25 gallon reservoir, one air pump, one air stone, and the necessary fittings.

X1

In Line Rack Plumbing

- 5

Each Kit includes the required fittings, return plumbing lines, and drainage pipes for one ZipRack.

x3

12" HAF Fans

- 6

These fans provide air flow throughout your farm.

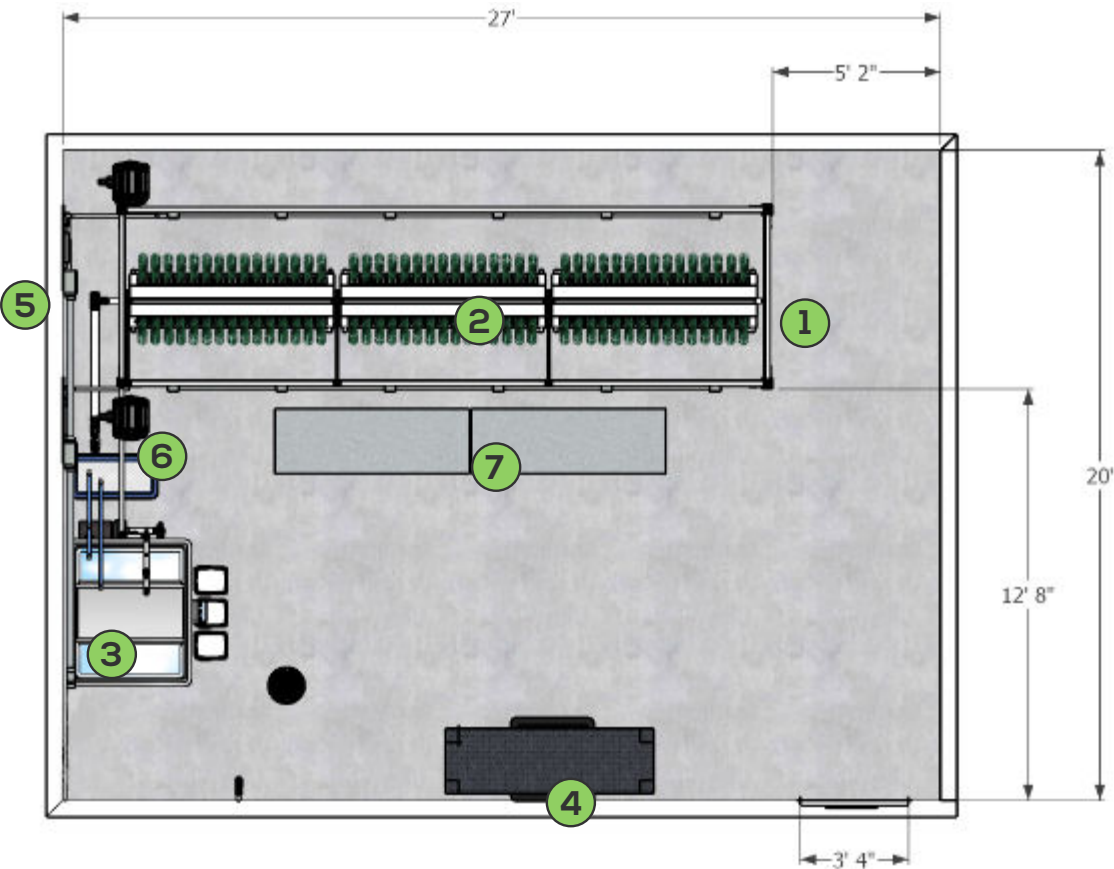
x2

ZipGrow™ Tower Work Table

- 7

Two (2) 72" L x 24" W x 34" H Heavy Duty 430 Stainless Steel Work Tables - NSF listed with stainless steel tower holder attachment designed to hold a ZipGrow™ tower in place while you harvest, plant, or clean the tower.

X2



Equipment Details:
30 tower/Zipracks
Total number of Towers = 90 towers
Grow Space = 106 ft²
Conventional Canopy = 720 ft
Plant Sites = 2160

**** Building Requirements Minimum**
12ft Ceiling,
room 25ft width, 15ft length



Light Rack with Single Sided LEDs and Double Sided LEDs

- 1.1** The Zipgrow™ Light Rack is essential to any successful ZipFarm™ enabling the LED lights to hang vertically between a row of ZipRacks. Each steel framed Light Rack contains 12 Single Sided LED Lights, and 22 Double Sided LED Lights along with the required LED drivers.

x2

Light Rack with Double Sided LED

- 1.2** The Zipgrow™ Light Rack is essential to any successful ZipFarm™. The Double Sided LED Light Rack is designed for use within a row of ZipRacks. Each of these steel framed Light Racks Contains 24 Double Sided LED Lights along with the required LED drivers.

x1

ZipRack with 8' ZipGrow™ Towers

- 2** The ZipRack is the core component of any ZipFarm™. These patented modular steel frame units come with the necessary headers, gutters, drain lines and plumbing components, as well as thirty 8' ZipGrow™ Towers with Matrix Media™ and Wicking Strips.

X15

Plumbing

- 3** Package includes a 330 gallon reservoir, pumps, filter, UV clarifier, reverse osmosis system.

X1

Seedling Starter Area with LEDs

- 4** Your Seedling Starter Area is where your seeds will begin growing. Each Area includes one steel rack, three 2' x 6' flood tables (enough to fit 3600 seedlings), nine 6' LED lights, one submersible pump, one 25 gallon reservoir, one air pump, one air stone, and the necessary fittings.

X2

In Line Rack Plumbing

- 5** Each Kit includes the required fittings, return plumbing lines, and drainage pipes for one ZipRack.

x15

12" HAF Fans

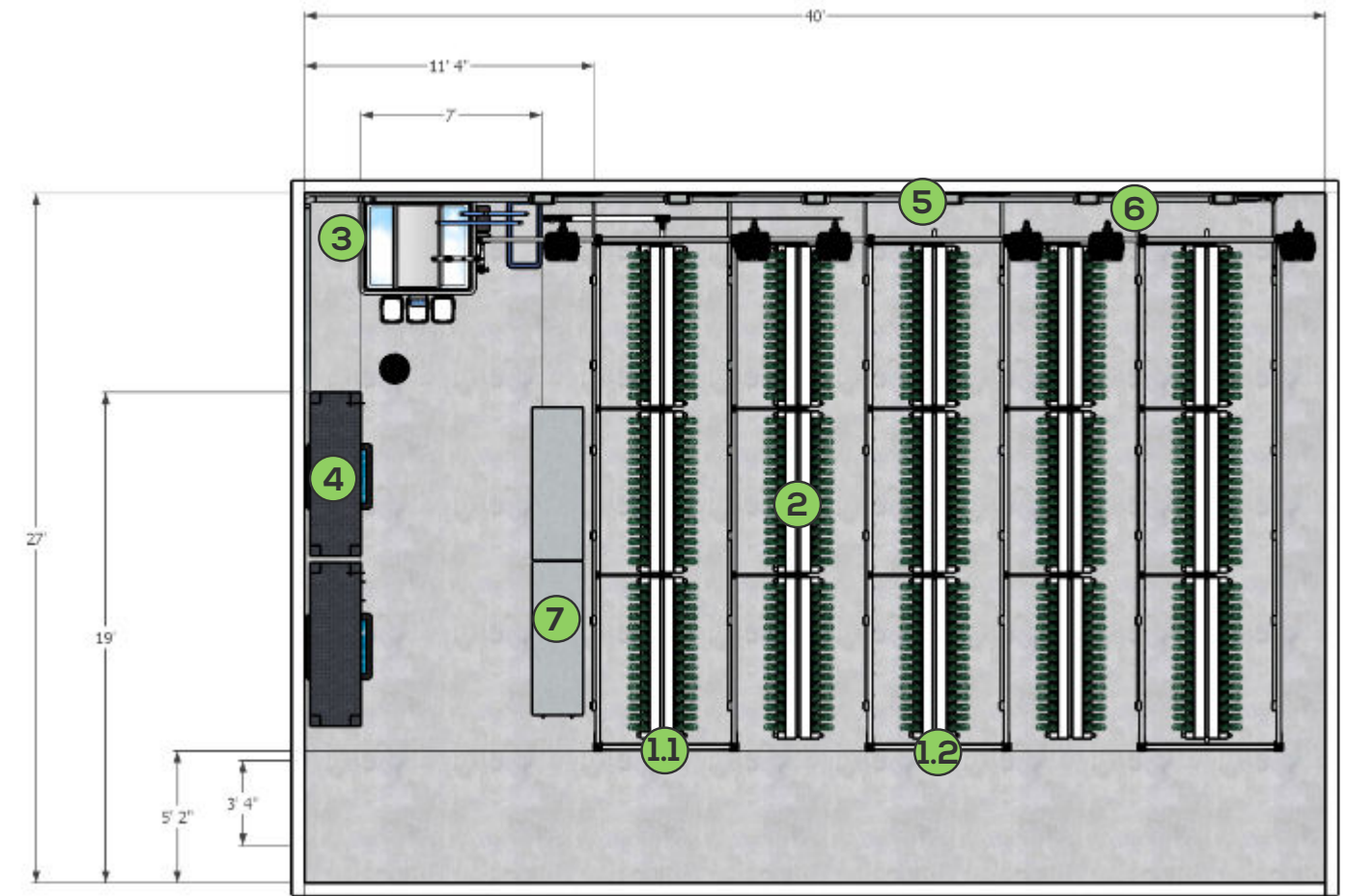
- 6** These fans provide air flow throughout your farm.

x6

ZipGrow™ Tower Work Table

- 7** Two (2) 72" L x 24" W x 34" H Heavy Duty 430 Stainless Steel Work Tables - NSF listed with stainless steel tower holder attachment designed to hold a ZipGrow™ tower in place while you harvest, plant, or clean the tower.

X2



Equipment Details:

30 tower/Zipracks
Total number of Towers = 450 towers
Grow Space = 533 ft²
Conventional Canopy = 3,600 ft²
Plant Sites = 10,800

** Building Requirements Minimum

12ft Ceiling,
room 25ft width, 30ft length



Light Rack with Single Sided LEDs and Double Sided LEDs

- 1.1** The Zipgrow™ Light Rack is essential to any successful ZipFarm™ enabling the LED lights to hang vertically between a row of ZipRacks. Each steel framed Light Rack contains 12 Single Sided LED Lights, and 22 Double Sided LED Lights along with the required LED drivers.

x4

Light Rack with Double Sided LED

- 1.2** The Zipgrow™ Light Rack is essential to any successful ZipFarm™. The Double Sided LED Light Rack is designed for use within a row of ZipRacks. Each of these steel framed Light Racks Contains 24 Double Sided LED Lights along with the required LED drivers.

x8

ZipRack with 8' ZipGrow™ Towers

- 2** The ZipRack is the core component of any ZipFarm™. These patented modular steel frame units come with the necessary headers, gutters, drain lines and plumbing components, as well as thirty 8' ZipGrow™ Towers with Matrix Media™ and Wicking Strips.

X66

Plumbing

- 3** Package includes a 330 gallon reservoir, pumps, filter, UV clarifier, reverse osmosis system.

X2

Seedling Starter Area with LEDs

- 4** Your Seedling Starter Area is where your seeds will begin growing. Each Area includes one steel rack, three 2' x 6' flood tables (enough to fit 3600 seedlings), nine 6' LED lights, one submersible pump, one 25 gallon reservoir, one air pump, one air stone, and the necessary fittings.

X10

In Line Rack Plumbing

- 5** Each Kit includes the required fittings, return plumbing lines, and drainage pipes for one ZipRack.

x66

12" HAF Fans

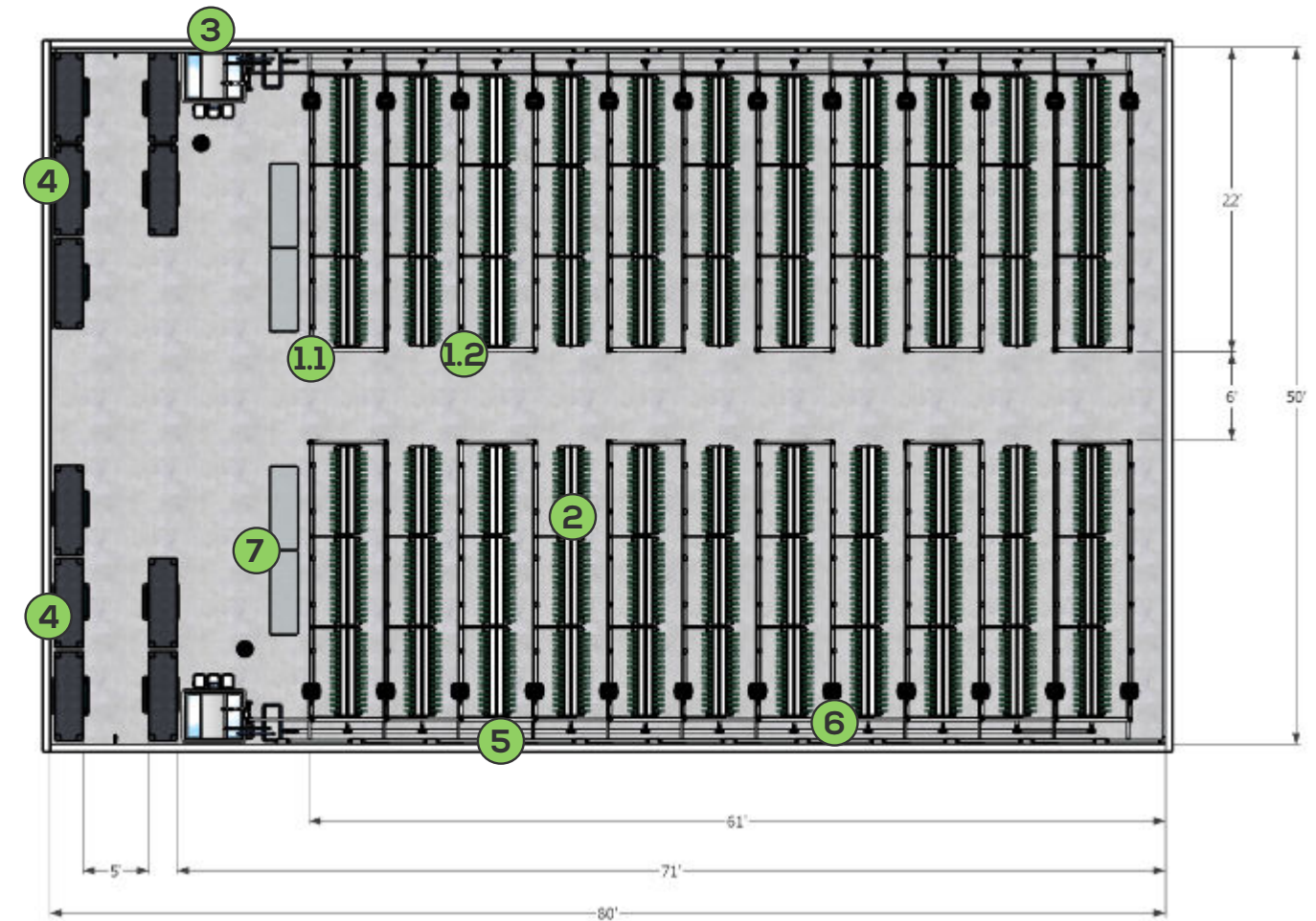
- 6** These fans provide air flow throughout your farm.

x24

ZipGrow™ Tower Work Table

- 7** Two (2) 72" L x 24" W x 34" H Heavy Duty 430 Stainless Steel Work Tables - NSF listed with stainless steel tower holder attachment designed to hold a ZipGrow™ tower in place while you harvest, plant, or clean the tower.

X2



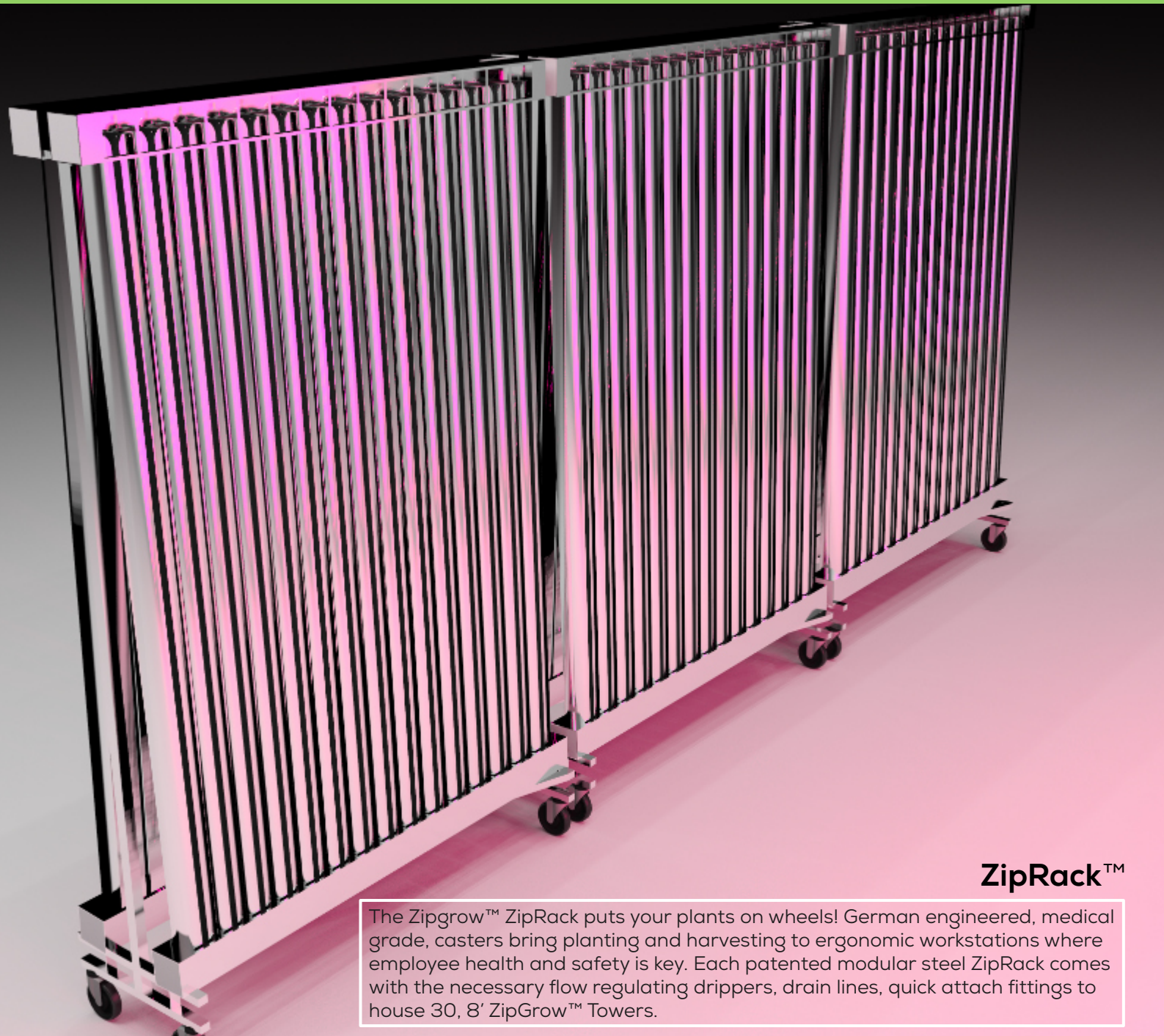
Equipment Details:

30 tower/Zipracks
 Total number of Towers = 1980 towers
 Grow Space = 2,350 ft²
 Conventional Canopy = 15,840 ft
 Plant Sites = 47,520

** Building Requirements Minimum

12 ft Ceiling,
 room 48 ft width, 65 ft length





ZipGrow™ Tower



Matrix Media™



Wicking Strips



The ZipGrow™ Tower is the not so secret weapon of the ZipGrow™ system. Made from highly durable virgin grade PVC. At 8' in length, the tower is still manageable to harvest by a single farmer. The secret weapon of the ZipGrow™ tower is our patented **Matrix Media™**. Constructed from recycled PET-1 (water bottles) without any BPA, and each polyfiber is inclosed by a binder which not only increases the longevity of your media but also minimizes contact with the water in your system. When water is dispensed onto a **Wicking Strip** water is concentrated on the plant roots until the plant has established large enough roots to take up water from the balance of the Matrix Media™.



ZipGrow™ LightRack

The Zipgrow™ LightRack is the backbone of any successful ZipFarm™. This pure white, powder-coated, steel structure is designed to support all of your farm's utilities and place them exactly where the plants need them. Each Light Rack supports two rows of 12 or 24 vertically hung LED grow lights at optimal plant height to create a perfect parking spot for your ZipRacks™.

ZipGlow™

The ZipGlow™ lights were designed with a form factor specifically for use in the ZipFarm™. Using a thin 8' bar profile, these lights provide excellent coverage to the growing surface while maximizing space efficiency throughout the farm.

- Double Sided (400 watt) or Single Sided (200 watt) available.
- 400 Watt LED drivers are supplied with the lights. Each 400 watt driver will power one (1) double sided (400 watt) lights or two (2) single sided (200 watt) lights.
- Cords with quick connect fittings supplied for connecting lights to LED Drivers, reduces wiring cost from electrician
- Three (3) year Limited warranty for hardware electronics.
- Designed exclusively for use with 8' ZipGrow™ Towers
- 8' length, slim, durable aluminum extrusion



Plumbing Kit

- 330 gallon IBC tank.
- UV filtration to protect against bacteria and pathogens.
- "Y" filter for additional filtration.
- A powerful, 2 HP variable speed pump delivers the nutrient solution to the farm. The ability to adjust the speed depending on farm size results in electricity savings compared to single speed pumps.
- A sump tank with two (2) submersible pumps and a float switch to ensure redundancy in the system while allowing the water in the farm to be recirculated, resulting in major water savings.
- All plumbing components.
- Strategically placed valves give you the ability to control pressure and flow direction throughout the farm.
- Includes auto dosing system for easy nutrient and pH balancing.
- Nutrient reservoirs.
- RO filter comes standard (Stealth RO 300) (300gpd).





Seedling Starter Area

- 3 - 2'x6' low rise flood tables.
- Rack Included.
- LED Lighting - 3, 6' lights per flood table. Total of 9 per Seedling area.
- Plumbing components for flood and drain system.
- 3,600 seedlings at one time.
- Timers included for automating the system.

Planting Table

- Designed as the perfect companion for planting and harvesting your ZipGrow Towers.
- Holds tower in place.
- Stainless steel food grade.



Yield per square foot of growing space per year.



Salanova Lettuce

100-140 heads/ft²/year



Kale

11-15.4 lbs/ft²/year



Albion Strawberries

8.8-13.2 lbs/ft²/year



Genovese Basil

13.2-26.5 lbs/ft²/year

THE MOST ESTABLISHED,
SUCCESSFUL AND ECONOMICAL
VERTICAL FARMING
PLATFORM ON EARTH

ZipGrow™ designs and builds the most installed vertical farming technology in the world. We train, equip, and empower local farmers to grow better food for their communities and operate successful vertical farms.



*Production numbers are estimates only. A number of variables can affect production rates including, but not limited to: humidity, CO2, temperature, grower experience, pH, nutrients, air flow, pests, disease, etc.



650 Cumberland St | Cornwall, Ontario Canada

www.ZipGrow.com