



#AEssenceGrows

AETRIUM™

DOUBLE DECK™

VERTICAL BLOOM SYSTEM



Introducing AETRIUM™ DOUBLE DECK, a fully aeroponic system to maximize your flowering space. **Go high, bloom vertical.**

The **Atrium Double Deck** is a flowering/blooming system that can accommodate 1-20 large cannabis plants for high yield growth. It encompasses a 16.7 sq. ft. (1.6 m²) grow plate and is designed to be lit by one standard grow light per plate. The compact, scalable tubs allow growers to assure that all plants get the same irrigation and nutrition.

TWICE THE GROW SPACE

Atrium Double Deck provides everything you need to maximize your growth yield potential. From optimized nutrient dosing, aeroponics, and fast turn-around time, **Atrium Double Deck** is a complete system that brings savings on production costs, energy, and time.

Grow 480-1000+ grams per square foot per light* every year and increase your product's THC, terpenes, and CBD levels (vs. cocoa).

*strain dependent



AEROPONIC GROWTH

Aeroponics is widely recognized as the most efficient form of the type of soil-less cultivation known as "hydroponics". Plant roots are hung in the open air and sprayed with nutrient enriched solution. The damp roots in the air maximizes O₂ intake, balancing the CO₂ taken in by the leaves, allowing strong, robust, growth.



Strong &
Healthy Plants



No Soil
To Dispose



TOTAL CONTROL

The **Guardian™ Grow Manager** software provides 24-hour monitoring and control via a pre-configured growth plan. The system uses built-in aqueous and air sensors to measure and control the growth environment. Essentially a full-time "nanny", growers can step away and know that their plants are secure.



24 Hour
Nanny

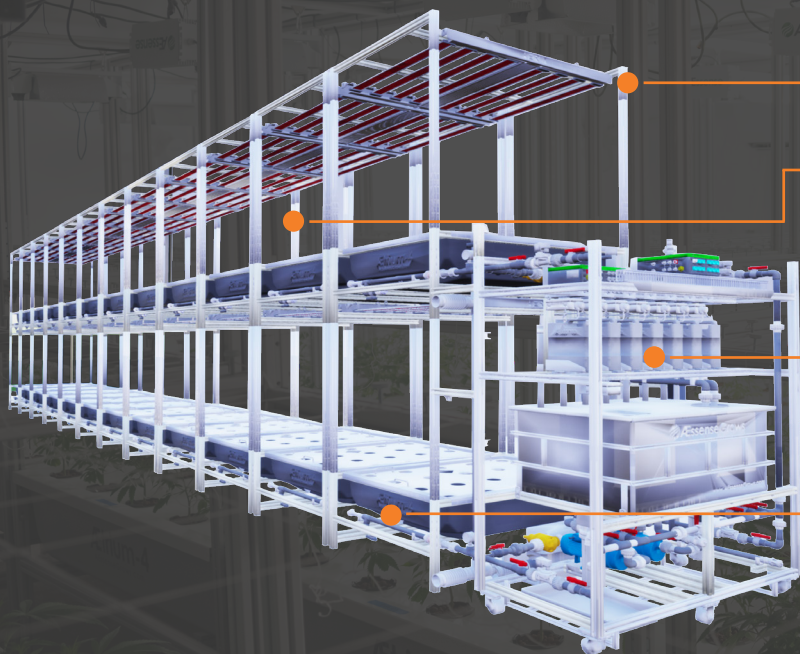


Facility
Control



Labor
Savings





Lighting Gantry

Equipped with the grow optimized AErrix™ LED light

Growth Area

Designed to accommodate various strains and growth sizes with anodized aluminum trellis supports.

Ætrium Dosing System

Software controlled and can dose up to 24 tubs.

Growth Tub

Aeroponic system with interchangeable corrosion resistant growth trays.

Modular & Scalable

The **Ætrium Double Deck** rows build out in sets of 2 to 24 tubs. This row system can then scale from hundreds to thousands of lights to meet the changing needs of cultivators.



MORE YIELD FROM YOUR EXISTING FACILITIES

Ætrium Double Deck's two layer system gives you twice the amount of yield per square foot by taking advantage of the often wasted vertical space. Using the same advanced aeroponic irrigation system and control software, **Ætrium Double Deck brings a new level of yield for commercial cultivation**



Rapid Turn Around Time

Aetrium Double Deck allows quick cleaning and disinfection. Remove any wayward roots, drain the nutrient water, do a quick rinse with sterilizing solution, rinse again, refill with plants, and the system does the rest.



Harvest

Waist-high level tables allow easy harvesting with no soil to remove.



Clean

Remove any wayward foliage, disinfect, rinse, and the system is ready to go.



Refill

Simply place a vegged plant into the tub, and the system takes care of the rest.

Configurations

16-Tub A4DD

L: 355" (9025mm) x W: 61.8" (1570mm) x H: 144" (3652 mm)

Canopy: 267 FT² (24.8M²)

of AERix LEDs: 16

Dry weight : 3571 lbs (1620 kg)

	MIN	TYP	MAX
Avg daytime wattage:		11,200 W	11,680 W
Daily energy consumption:		180 kWh	190 kWh
Avg daily water consumption:	32 gal. (121L)		48 gal. (182L)

20-Tub A4DD

L: 445" (11295mm) x W: 61.8" (1570mm) x H: 144" (3652 mm)

Canopy: 334 FT² (31M²)

of AERix LEDs: 20

Dry weight : 4321 lbs (1960 kg)

Avg daytime wattage:		14,000 W	14,600 W
Daily energy consumption:		224 kWh	234 kWh
Avg daily water consumption:	40 gal. (151L)		60 gal. (227L)

24-Tub A4DD

L: 534" (13565mm) x W: 61.8" (1570mm) x H: 144" (3652 mm)

Canopy: 401 FT² (37M²)

of AERix LEDs: 24

Dry weight : 5070 lbs (2300 kg)

Avg daytime wattage:		16,800 W	17,520 W
Daily energy consumption:		270 kWh	280 kWh
Avg daily water consumption:	48 gal. (182L)		72 gal. (272L)

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