

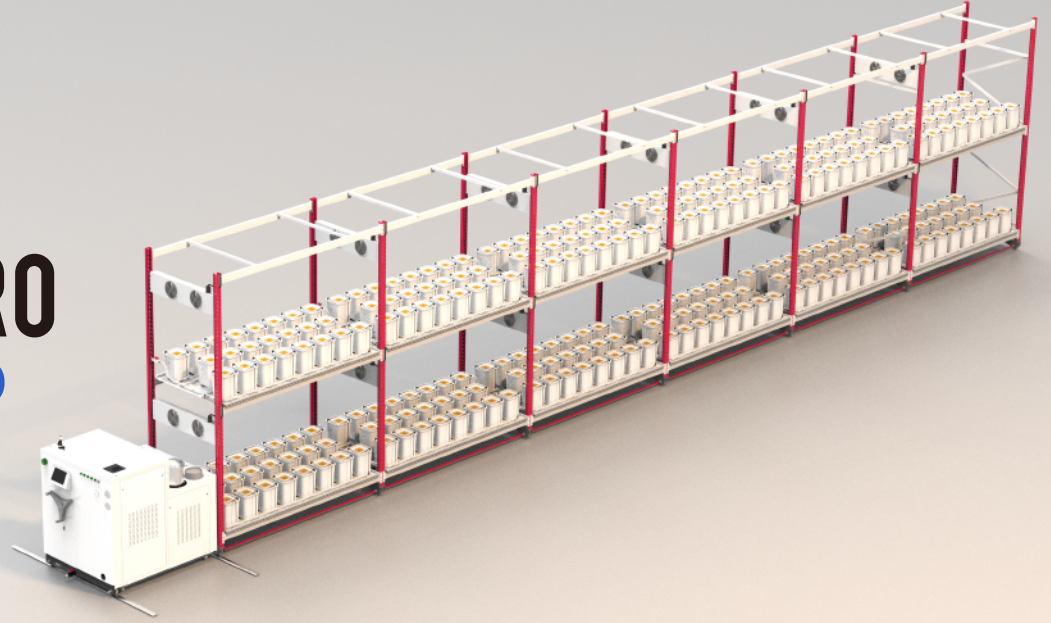


Technology With Respect to Nature.

VA23 Series For Flowering

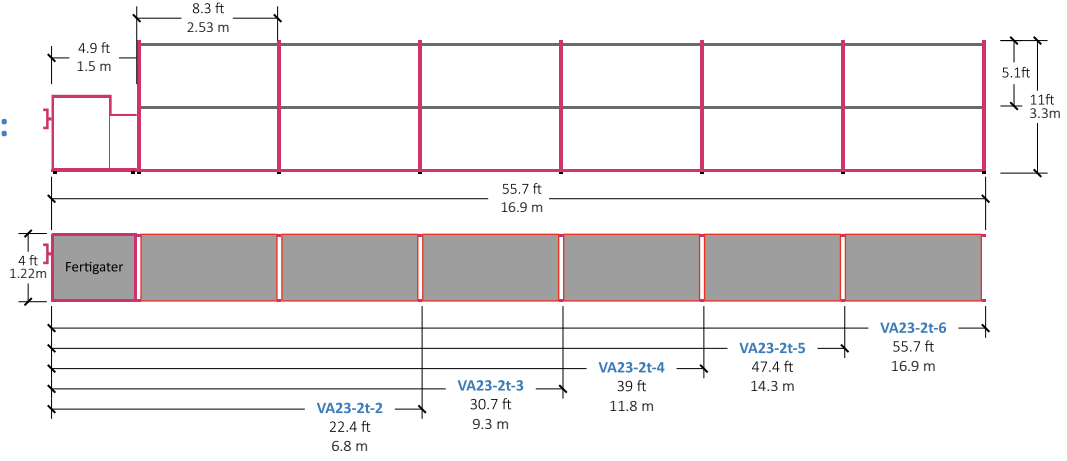
# VERTIAERO

Vertical Cannabis Cultivation

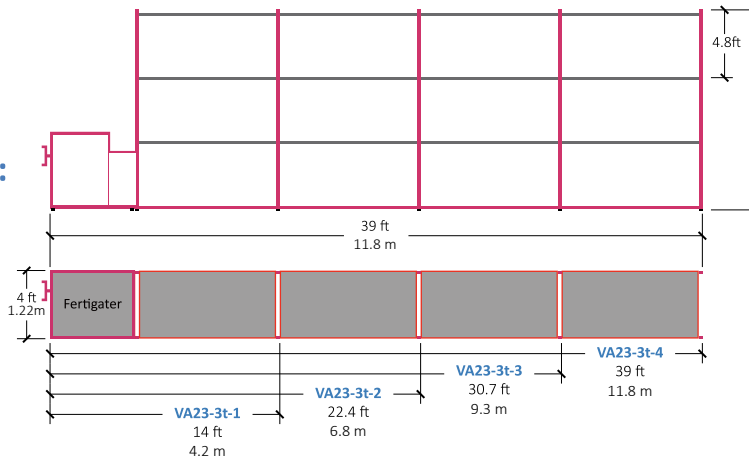


## Measurements

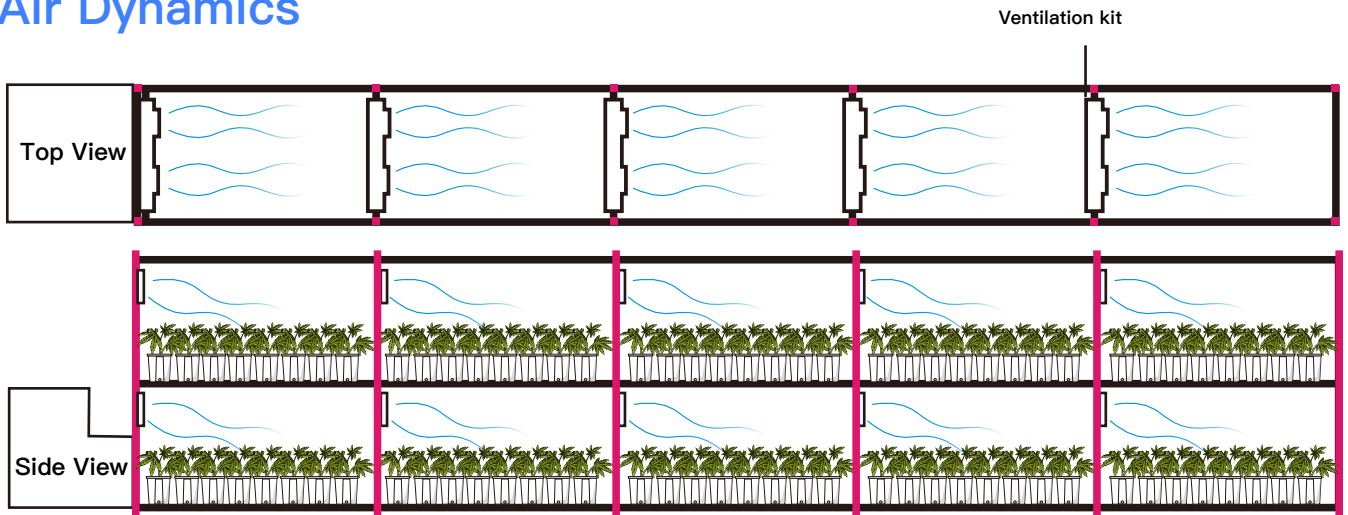
2 Tiers:



3 Tiers:



## Air Dynamics

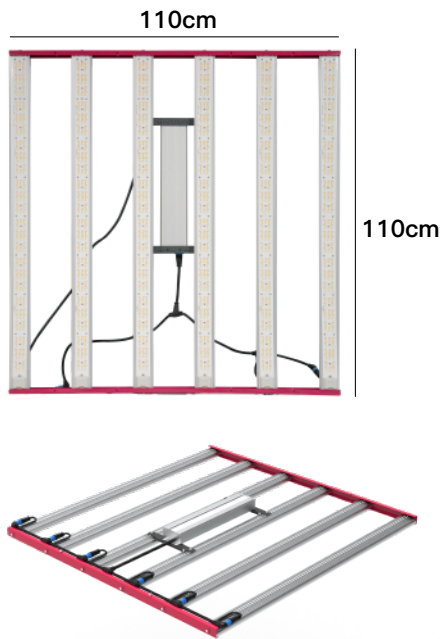


## VA23 Bucket Group





# Plant Lighting

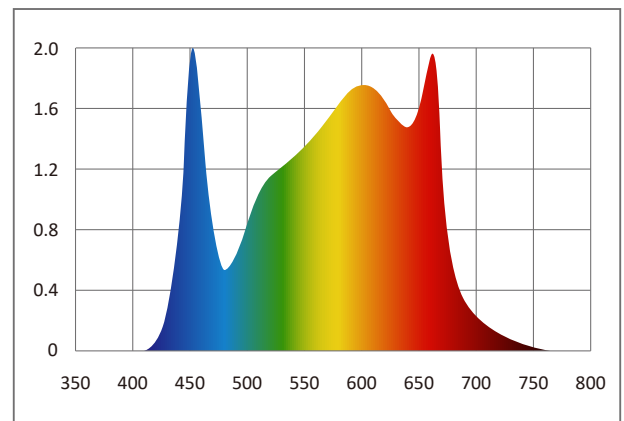


## Product Parameter

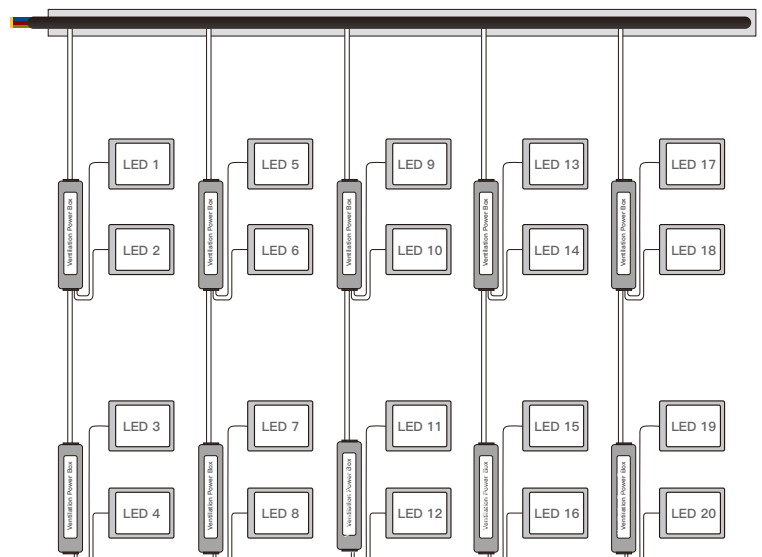
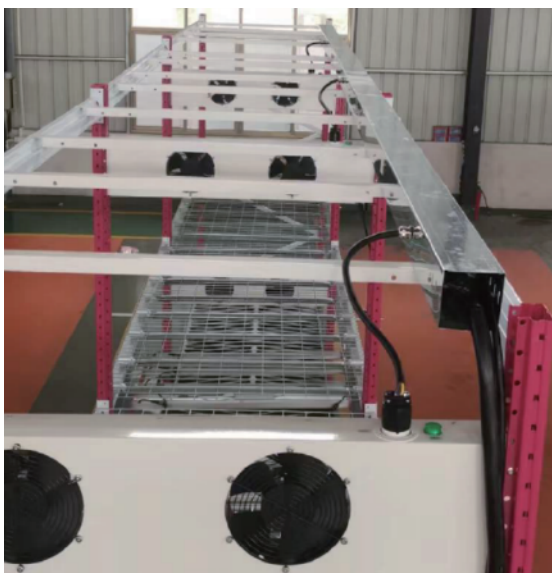
<b>Model</b>	AS650
<b>Power</b>	650W (4x4ft)
<b>PPE</b>	2.7 $\mu\text{mol}/\text{j}$
<b>PPFD @ 1ft/30.48cm</b>	1,178 $\mu\text{mol}/\text{m}^2/\text{s}$
<b>PPFD @ 2ft/60.96cm</b>	760 $\mu\text{mol}/\text{m}^2/\text{s}$
<b>Input Voltage</b>	100-277V AC
<b>Cooling</b>	Passive
<b>Light Source</b>	LED
<b>Light Even Distribution Level</b>	8" under light or more
<b>Light Recipe</b>	Full Spectrum
<b>Dimmer</b>	Power Dimmer
<b>IP</b>	IP65



## Spectrum Graph



## Wiring Diagram



## Ventilation kit parameter



Specifications			
Power Consumption	2*45W±10%	Max.Air flow	2*350 CFM±10%
Speed	2650RPM±10%	Noise Level	2*59dB(A)
Size - L/W/H (M)	1.1*0.1*0.26		

## Specifications

Optional Standard	VA23-2t-2	VA23-2t-3	VA23-2t-4	VA23-2t-5	VA23-2t-6	VA23-3t-2	VA23-3t-3	VA23-3t-4
<b>Basic Specifications</b>								
Power in Max(KW)	10	12.9	15.7	18.5	21.3	12.9	17.1	21.3
Irrigation pattern	Hybrid Of Aeroponic & Hydroponic							
Control Unit	7" touch screen with RS 485 output							
QTY Of Plants/line(Pcs)	92	138	184	230	276	138	207	276
Canopy Area (sq-ft)	128	192	256	320	384	192	288	384
(sq-m)	11.9	17.9	23.8	29.8	35.7	17.9	26.8	35.7
Space Needed(sq-ft)	89.6	122.8	156	189.6	278.5	89.6	122.8	156
(sq-m)	8.3	11.3	14.4	17.4	20.6	8.3	11.3	14.4
Size - L/W/H(ft)	22.4 x 4 x 11	30.7 x 4 x 11	39 x 4 x 11	47.4 x 4 x 11	55.7 x 4 x 11	22.4 x 4 x 15	30.7 x 4 x 15	39 x 4 x 15
(m)	6.8 x 1.2 x 3.3	9.3 x 1.2 x 3.3	11.8 x 1.2 x 3.3	14.3 x 1.2 x 3.3	16.9 x 1.2 x 3.3	6.8 x 1.2 x 4.5	9.3 x 1.2 x 4.5	11.8 x 1.2 x 4.5
<b>Irrigation System</b>								
Pump	759W/230V/3.3a	943W/230V/4.1A	943W/230V/4.1A	1380W/230V/6A	1380W/230V/6A	943W/230V/4.1A	1380W/230V/6A	1380W/230V/6A
Water Chiller	1.5HP	1.5HP	1.5HP	1.5HP	1.5HP	1.5HP	1.5HP	1.5HP
UV Sterilizer	●	●	●	●	●	●	●	●
Filters	●	●	●	●	●	●	●	●
Aerator	●	●	●	●	●	●	●	●
Dosing System	○	○	○	○	○	○	○	○
Ductwork	PVC & PE	PVC & PE	PVC & PE	PVC & PE	PVC & PE	PVC & PE	PVC & PE	PVC & PE
Planting Bucket(Pcs)	92	138	184	230	276	138	207	276
Nozzles(Pcs)	184	276	368	460	552	276	414	552
<b>Lighting System</b>								
Total Power(W)	5200	7800	10400	13000	15600	7800	11700	15600
Model of LED Grow Lights	AS650	AS650	AS650	AS650	AS650	AS650	AS650	AS650
QTY of Lights (Pcs)	8	12	16	20	24	12	18	24
Dimmer				Stainless Adjusted				
<b>Power Repeater &amp; Ventilation Box</b>								
Power(W)	400	600	800	1000	1200	600	900	1200
QTY of Ventilation(Pcs)	4	6	8	10	12	6	9	12
<b>Mobile Rack System</b>								
Way of Moving				Mechanic Assist				
Bering				Dual - Bearing				
Tiers	2	2	2	2	2	3	3	3
Set	2	3	4	5	6	2	3	4
Total QTY of Tray	4	6	8	10	12	6	9	12
Bearing Force	800Kgs/Tray							
Defrosting Tray - 4X8 ft	●	●	●	●	●	●	●	●



GROWSPEC

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