

# X-Series

## Modular Vertical Farming System



## Applications

- ✓ Scalable design for any size grow facility
- ✓ Attractive design for display in retail and restaurants
- ✓ Controlled environment for plant-based pharmaceutical/ nutraceutical manufacturing
- ✓ Food-grade materials perfect for commercial farms or plant science facilities

### Advanced Design

#### Built for Hydroponic Vertical Farms

- Durable polypropylene food grade materials
- Integrated plumbing & lighting with minimal external connections
- Stackable up to 8 grow beds
- Customizable grow bed height to optimize different stages of growth and crops

### Cost Effective

#### Installs in 30 minutes

- Plug & play design can install in less than 30 mins. with only 2 people
- No specialty tools or trained personnel needed for installation
- Grow beds are stackable reducing shipping costs
- Industry leading warranty

### Premier Grow Lighting

#### Multiple Light Recipes Optimize Growth and Flavor

- High intensity (40  $\mu\text{mol/s}$ ) and energy saving (13 W)
- Built-in grow light fixture for plug & play installation
- IP 65 rated
- Designed by plant scientists and the world's leading LED manufacturer

Information contained herein is deemed reliable and accurate as of the issue date. SUNCORE reserves the right to change the design or specification at any time without notice.

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## Specifications

Category	ITEM	DATA	Metric	DATA	U.S.
Racking	Bed Length	1.346	[m]	4.42	[ft]
	Bed Width	0.942	[m]	3.09	[ft]
	Bed-to-Bed Height*	0.323-0.352	[m]	1.06 - 1.15	[ft]
	Grow Area Length	1.2	[m]	3.94	[ft]
	Grow Area Width	0.9	[m]	2.95	[ft]
	Grow Area-to-Light Height	0.20-0.40	[m]	0.66-1.31	[ft]
	Total Height	2.383-2.623	[m]	7.82 - 8.61	[ft]
	Sink Length	1	[m]	3.28	[ft]
	Sink Depth	0.34	[m]	1.12	[ft]
	Sink Volume	23.8	[L]	23.8	[L]
	Grow Bed Volume	5.4	[L]	5.4	[L]
Lighting	Number of Lights per Level	5-11	[#]	5-11	[#]
	Tube Length	1200	[mm]	3.9	[ft]
	Beam Angle	120	[°]	120	[°]
	Square Tube	32.5 X 29	[mm]	12.80 X 11.42	[in]
	Photosynthetic Photon Flux (measured at 380-730 nm)	40	[μmol/s]	40	[μmol/s]
	Supply Voltage	100-240	[V]	100-240	[V]
	Supply Frequency	50/60	[hz]	50/60	[hz]
	Power consumption**	18-20	[W]	18-20	[W]
	Lifetime	25,000	[hrs]	25,000	[hrs]
	IP Rating	IP65			
Certifications	UL, CE, RoHS				
Raft	Number of Rafts per Level	2	[#]	2	[#]
	Raft Length	0.9	[m]	2.95	[ft]
	Raft Width	0.6	[m]	1.97	[ft]
	Raft Depth	0.03	[m]	0.1	[ft]
	Plant Sites per Raft†	54-180	[#]	54-180	[#]
	Plant Site Diameter	0.025	[m]	0.08	[ft]
	Plant Site spacing	0.022	[m]	0.07	[ft]

Notes:

\*Grow bed heights can be customized based on grower's preference

\*\* Multiple light spectrum available for all stages of growth

†Plant sites on the rafts can be customized based on grower's preference



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