

FLUXEN

LIGHT UP YOUR PROJECTS



VITRO-X

LED grow light solution for growing indoor plants

TECHNICAL DATASHEET

2023



Vitro X can be used for complete replacement of fluorescent T5 fixtures or HPS/metal halide for inside vegging to grow moms, clones, or any starts in a completely controlled environment.

- Key Features:**
- Simple and stylish, ultra slim design
 - Linkable solution, save labor cost and installation cost, easy to connect.
 - Light weight, easy maintenance in both transportation to meet your budget.

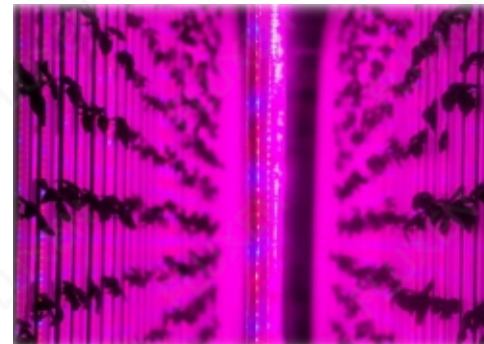
Lighting Requirement for Leafy Greens: lettuce, microgreens, herbs, tissue culture:

DLI (MOL/M2 /D)	12-17
Photoperiod	15-20 hours
PPFD ($\mu\text{mol/s/m}^2$)	150-250
Day temperatures	18-24 °C / 65-75 °F
Night temperatures	15-18 °C / 60-55 °F
Seeding to transplant	10-14 days
Vegetative to harvest	15-21 days
PH	5,4 -6,0

2 Installation Ways of Vertical Farming



Horizontal Installation Design



Vertical Installation Design

Specifications

Power	20/30 W
Lighting Efficiency	High Peak of Blue = 2.3 umol/J (±5%)
Spectrum	Blue Spectrum
PPF	40-60 umol/s (±5%)
Input Voltage	100-240 VAC ; 50/60 Hz
Protection Class	IP65
Certificate	CE, RTL, ROHS
Intelligent Control	No
Chip	China domestic brand & Samsung
Driver	Upshine driver (Built in)
Working Temperature	0°C~40°C
Net Weight	0,5 kg / 1.1 lbs
Size	1500 x 48 x 33 mm

* The tolerance for power is ±3%

* The tolerance for weight is ±6%

- Linkable design could lower installation cost, 50 pcs for 18W, 30pcs for 30W

- Simple and stylish, ultra-slim design



Main Features:

20 W/ 30 W Horti- Vitro X is designed for commercial vertical farming factory to optimize your plants growing It comes with daisy-chained design, built-in driver and has flexible installation and high light uniformity.

110V: 20W could connect 30 pcs; 30W could connect 20 pcs

220V: 20W could connect 60 pcs; 30W could connect 40 pcs

277V: 20W could connect 70 pcs; 30W could connect 50 pcs

Accessories:



Three-pins male connector

Each M 12/ M 16 nylon waterproof connector is 210 mm length
M12 for US
M16 for EU



Daisy-Chain Solution
Plug & Play



Ceiling mounted buckle

2 clips used for 1 light, can be easily fixed
The light to frame, height is 5mm



AC power cord

M12/M16 length 3000mm
To have a plug on it, needs to reach
MOQ=500 PCS
Or use a wire-wire (<100pcs)
Connector (≥100 pcs)