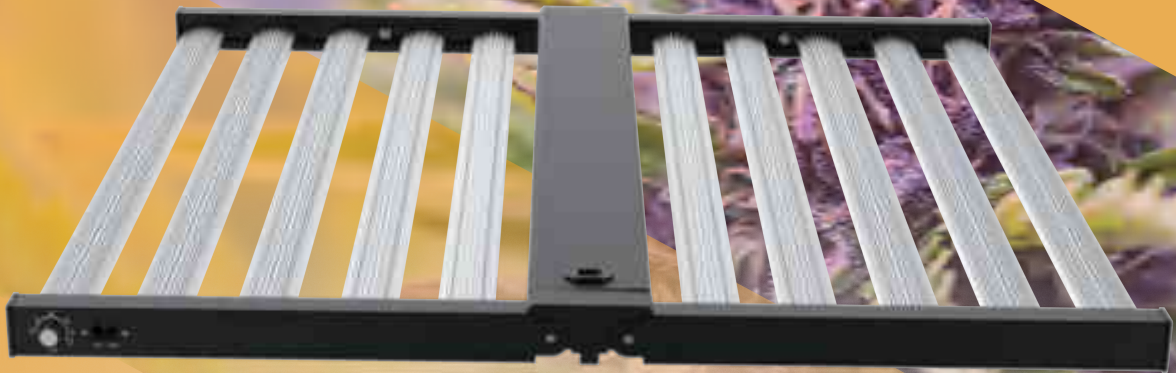


SunnyPower

New Energy Co., Ltd.

Horticulture LED Solutions

2.9μmol/j



MUIZLUX<sup>®</sup>

SV10-1000W

LED Gridlighting for Horticulture

### SV Series

Muizlux SV series LED grow light is a full-cycle top-lighting solution for commercial horticulture cultivation, with the power to scale from vegetative growth to bloom. The spectrum can be customized according to customer requirements. grow light adopts a foldable structure design, which can effectively protect the lamp beads and is easy to install.



Vertical Farming



Indoor Growing



Scientific Practices

Visit [www.muizlux.com](http://www.muizlux.com) for the latest in lighting innovations from the inventors of the LED



# SV10 LED Gridlighting



Muizlux SV series LED grow lights is specifically designed for cultivators growing on benches or vertical rack systems. SV series LED grow light is an ideal solution for commercial cannabis cultivation facilities and smaller grow operations.

With its six/eight/ten light bars, the SV series LED grow lights is optimized to cover a 4'x4' area, providing flawless canopy light uniformity, to steer uniform bud development and grow more top-shelf flowers. Whether you are cultivating your cannabis in a grow tent or in a vertical rack, movable eye hooks on the SV series LED grow lights makes it easy to attach adjustable cabling.

Muizlux SV series LED grow lights enables excellent yields with consistent cannabinoid values. The results: consistent harvest schedule, shorter crop cycles than with HPS, and more predictable production.

The SV series LED grow lights provides a robust, reliable and scalable lighting solution for the most demanding, high-density, indoor cannabis cultivators. Tested to the industry's most rigorous standards, SV series offers some of the highest performance and efficiency in its class. Ideal for mother plants, or growing and blooming cannabis full lifecycle, cultivators enjoy greater production and higher crop quality while using less energy.

Replaces HPS lights in vertical racking or sea of green applications. Uses 40% less energy, greatly reducing heat output, HVAC costs and the need for more vertical space. The dual-folding hinges make storing, transporting and installing the fixture convenient and hassle free.



## Key benefits

- Energy efficient—up to 2.9µmol/J;
- Broad spectrum optimized for full growth cycle in sole source applications;
- Ultra low-profile design and low radiant heat output, lends itself ideally to vertical applications or in rooms with limited ceiling heights;
- Easy plug-and-play installation with movable eye hooks;
- Enables excellent yields with consistent cannabinoid values.

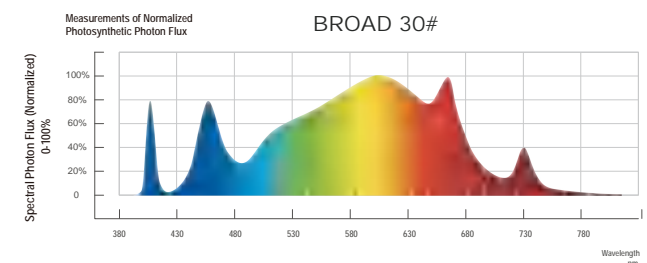
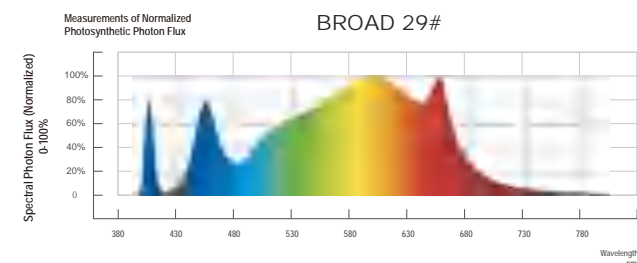
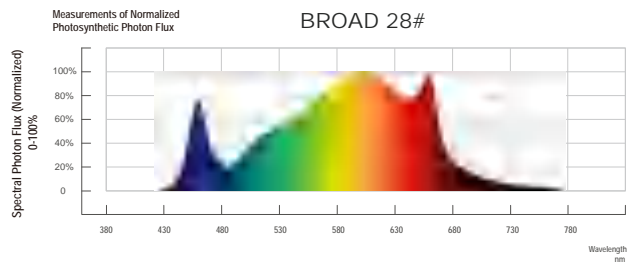
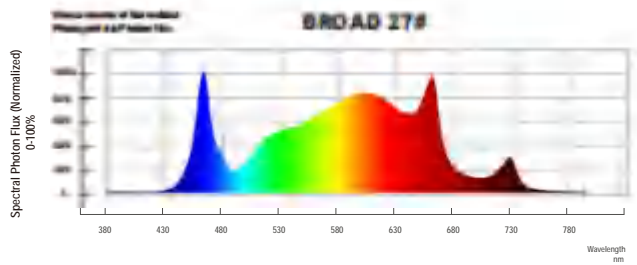
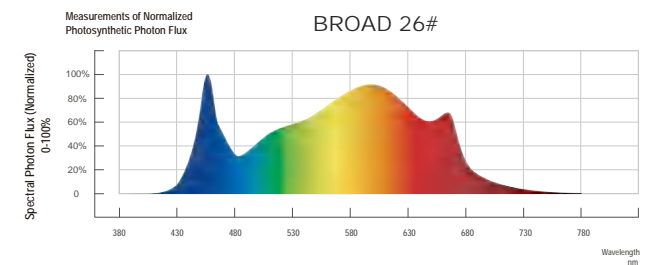
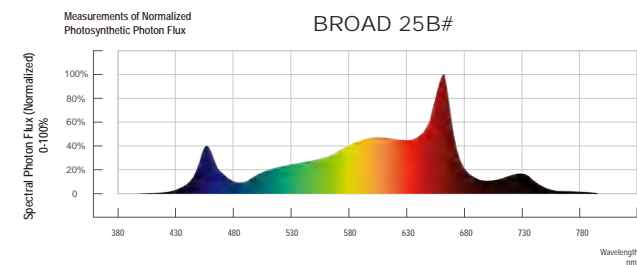
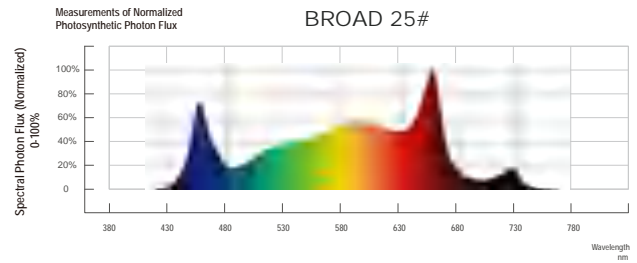
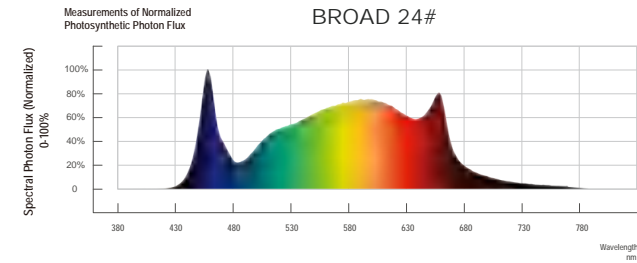
Specification		SV10-RO*
Photon Flux	µmol/s	2600-2900
Power consumption	W	1000
System efficacy	µmol/J	2.6-2.9
Power factor		≥94% at full load
Input Voltage		100-277V AC, 50/60Hz
Light Distribution		120°
Mounting Height		≥6" (15.2cm) Above Canopy
Dimming		0-100% Knob Dimming
Max. Ambient Temperature/Humidity		> 95°F [35°C], 90% RH
Lifetime(Driver and LED L90)	hrs	> 36,000
Ingress protection rating		IP65
Certifications		FCC,CE,UKCA,PSE,ROHS
Warranty		5 years

\*RO = Regular Output



Contact **Muizlux** @  
[info@muizlux.com](mailto:info@muizlux.com)  
[www.muizlux.com](http://www.muizlux.com)

## Spectral Distribution



Blue 400-500 nm

Improves overall plant health and quality including taste, aroma, color and nutrition. Helps promote plant compactness and root development.

Green 500-600 nm

Increases overall plant photosynthetic efficiency and penetrates the canopy to encourage growth of lower leaves. Makes detecting issues like pests and disease on plants easier to see.

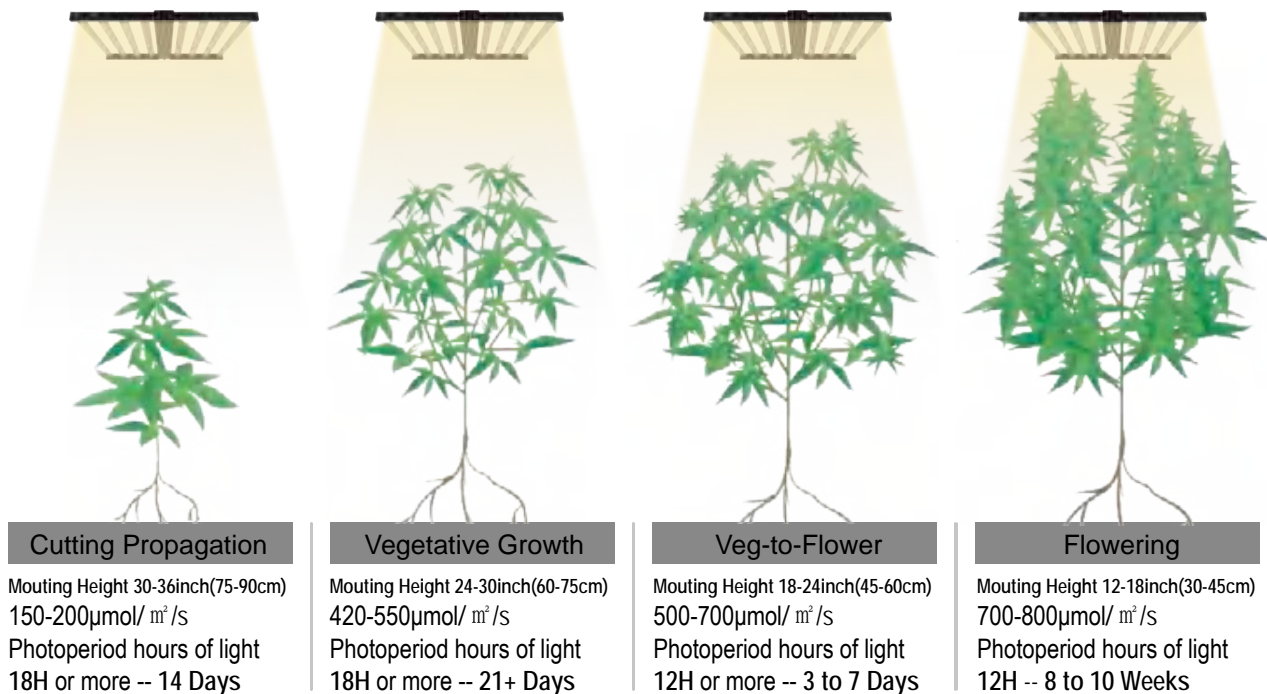
Red 600-700 nm

Promotes plant photosynthesis and increased biomass. Essential for leaf expansion and stem growth. Helps regulate plant flowering, photoperiod and germination.

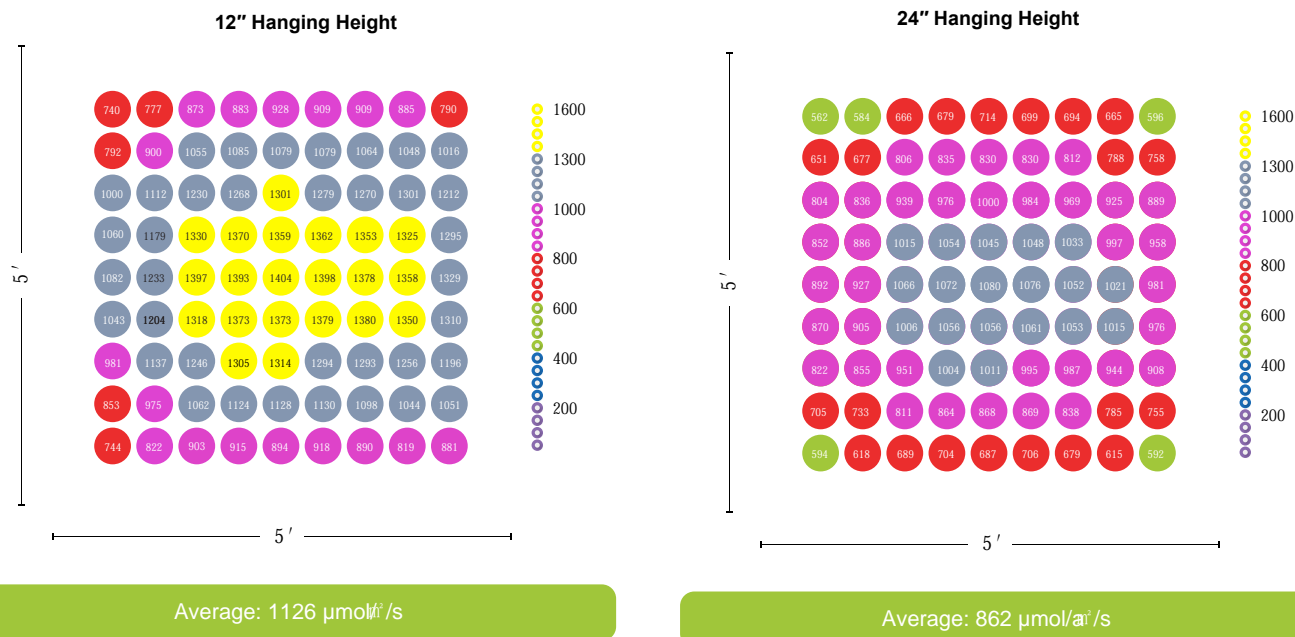
FR/IR 700-800 nm

Promotes expansion and stretching of leaves and stems. Penetrates the canopy to encourage growth of lower leaves. When used with 660-680 nm wavelengths, plant photosynthesis rates increase via the Emerson effect.

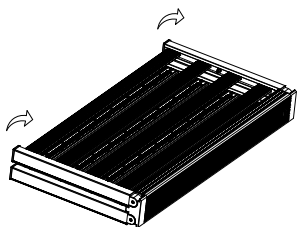
## Planting Guidance



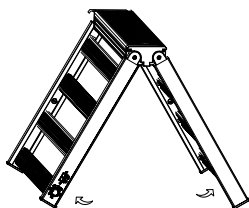
## PPFD



## Dimensions & Installation



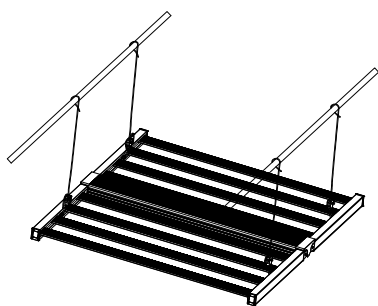
1. Take out the lighting fixture out of box



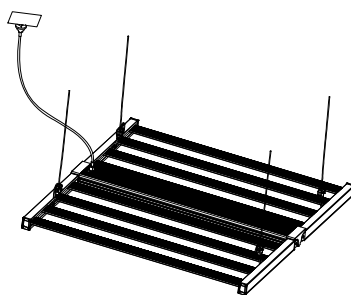
2. Place the light fixture on a flat platform. Unfold panels of the light fixture so that LEDs are downward.



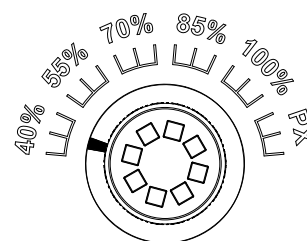
3. Ensure hinge is fully extended and light panels are completely flat.



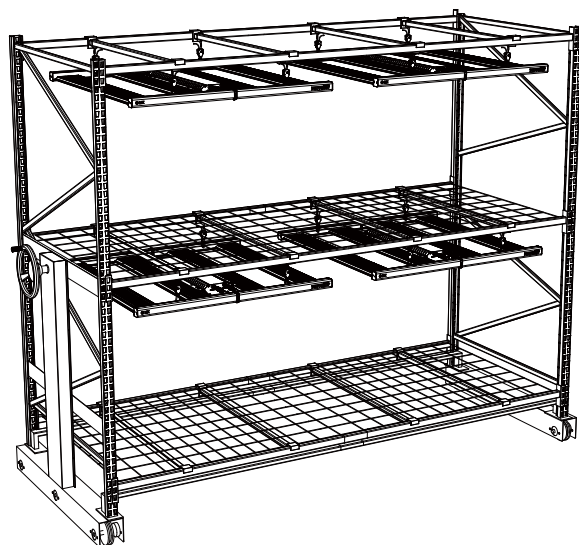
4. Hang the fixture on two trusses



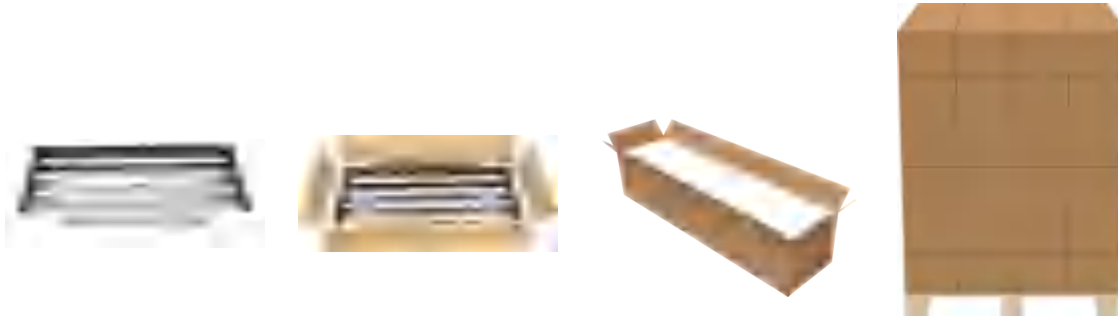
5. Plug in the plug cable and power on



5. Adjust the brightness as required



## Package



Par No.	QTY/CTN	Out Carton Size(mm)	N.W.(KG)	G.W.(KG)
SV10	1PCS	W680*H205*L1210	19.5	20.5

## Packaging List



Eyeglasses x1pc



Rope Ratchets x2pcs



Power Cord x 1pcs



RJ45 1Meter Cable x 2pcs



1000W Lamp x1pc