

SunnyPower

New Energy Co., Ltd.

Horticulture LED Solutions



MUIZLUX[®]

SR05

LED Grow Light Panel for Horticulture

SR Series

Muizlux LED grow light panel are ideal for commercial growers and home growers growing on vertical shelves. It has a wide-angle footprint and a targeted optimized full spectrum and various installation methods, which can fully meet the light supplementation needs of indoor planted seedlings, propagation, growth, harvesting and other stages.



Vertical Farming



Tissue Culture



Grafting



Seedling



Scientific Practices

Visit www.muizlux.com for the latest in lighting innovations from the inventors of the LED



SR05 Grow Light Panel



Muzilux SR series Lighting's PhotonPanel is an innovative LED grow light panel, providing high intensity light for a wide range of horticultural applications. The common footprint size, along with its very thin profile, allows for versatile integration into vertical shelving units or grow tents.

By adjusting the light intensity and spectral distribution it is possible to control the growth of the plant. Thereby, production can be adapted to market demand.

The flexibility of the fixture means that cultures can be grown even if they are off-season.

The ultra-slim design ensures the full utilization of space, and due to very little emission of heat, the fixtures can be placed close to the plant.

The composition of the diode colors is adapted to the plant's needs (the photosynthetically active light), for improved growth.

LEDs do not emit much heat. The advantage is that by heating from an alternative heat source instead of the fixtures a healthy and uniform climate is ensured without large fluctuations in temperature.

Uniform light on the plant due to an optical lens system - thereby minimizing light waste and shadow footprint.

LED may reduce the need for Plant Growth Regulation (PGR).

Long lifetime with no reduction of light output over time.

With its long lifetime, many applications and improved plant growth, the choice of our LED fixture is a solid and future-proof investment.

Key benefits

- Adjustable spectral distribution and light intensity - can therefore be adapted to the individual culture's needs.
- Emits very little heat, so no need for cooling.
- Latest diode technology, which provides low power consumption, increased efficiency and long lifetime.
- Designed for the humid climate of a growing environment - IP65.
- LED improves plant growth and increases the taste intensity of edible plants.
- High-reflectance pure white soldermask for improved system efficacy.

Specification		60cm × 60cm	120cm × 60cm
		CO*	
Photon Flux	μmol/s	108	216
Power consumption	W	40	80
System efficacy	μmol/J	2.7	
Power factor		>90% at full load	
Input Voltage		100-277V AC, 50/60Hz	
Light Distribution		120°	
Mounting Height		≥6" (15.2cm) Above Canopy	
Ingress protection rating		IP65	
Lifetime(Driver and LED L90)	hrs	>36,000	
Certifications		FCC,CE,UKCA,PSE,ROHS	
Warranty		3 years	

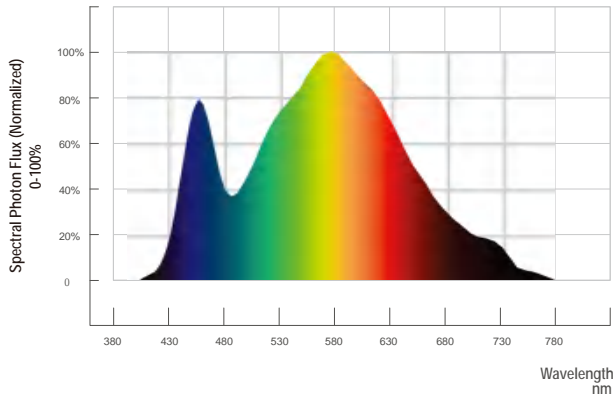
CO* = Intelligent control output



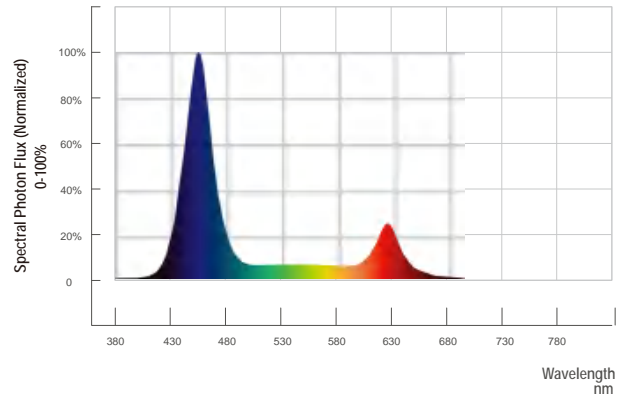
Contact **Muizlux** @
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Spectral Distribution

Measurements of Normalized Photosynthetic Photon Flux LIANG 1#

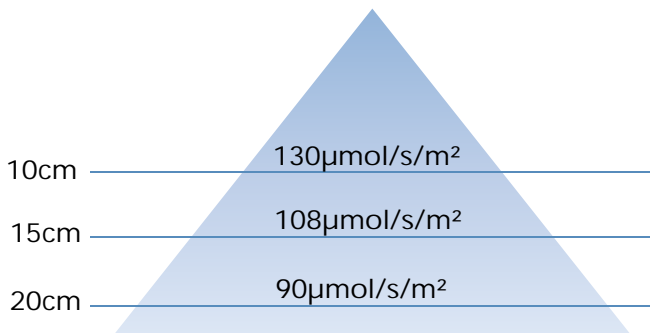


Measurements of Normalized Photosynthetic Photon Flux LIANG 2#

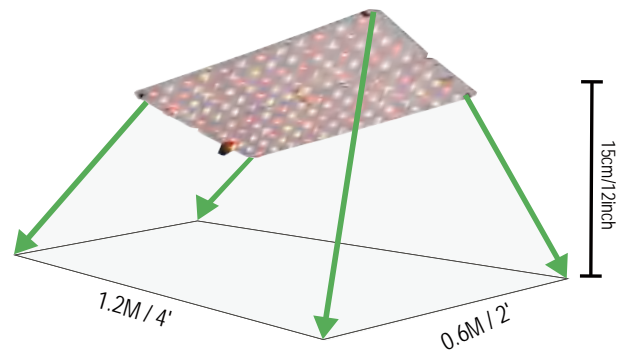


PPFD

SR05-RO-1.2m-80W-PPFD



1.2m Coverage



PPFD Reading - 40W 60cm x 60cm

83	103	103	106	85
102	133	130	127	103
108	133	137	131	110
85	108	110	104	90

110mm / 18"

PPFD Reading- 80W 120cm x 60cm

83	91	103	103	104	106	97	85
102	120	133	130	130	127	118	103
108	122	133	137	132	131	120	110
85	98	108	110	109	104	102	90

110mm / 18"

SR05 Grow Light Panel



Dimensions(mm) & Installation

