

SunnyPower

New Energy Co., Ltd.

Horticulture LED Solutions

MUIZLUX®

## SG02-A Clone Lights

### LED Grow Light Tube for Horticulture

#### SG Series

**Muizlux** SG-series LED clone light just the right amount of photons without stressing fragile seedlings and clones. 120-degrees of photon output combined with the 0%-100% dimming feature you are able to balance the light intensity while aiming the photons to ensure an even blanket of light resulting in uniform rooting.



Tissue Culture



Seedling



Scientific Practices



Grafting

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



# SG02-A Clone Lights

Length with 60cm/90cm/120cm/150cm(24 " /36 " /48 " /59 " )

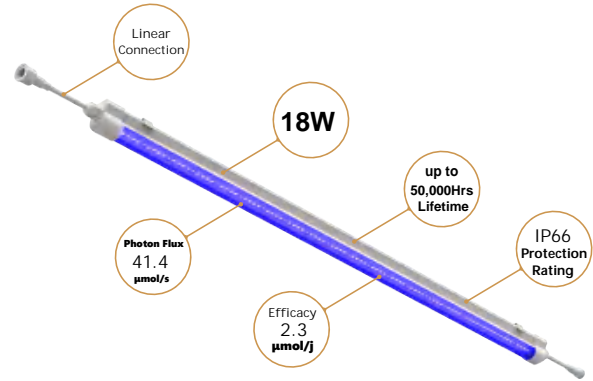


The Muizlux LED grow light tube offers a unique platform for single and multi-layer crop cultivation plant factories.

By positioning the LED grow light tube as close as possible towards the crops, all the produced light is steered in the crop in the most effective way.

The light intensity on the plant canopy can be determined by the distance to the crop, the number of light bars on the surface as well as by light output controls on the lamps itself. In this way you can optimize the PPF needed light level on the crop to the growth stage of the plants.

The Muizlux LED grow light tube can be installed in a horizontal setup with each lamp parallel to each other and bridged by a cable as in most tradition grow light setups, but can also be directly interconnected to each other to generate a long line of light in the grow rack installations.



## Key benefits

- Better rooting quality.
- Improved/controlled stretching process.
- IP66 rated for easy watering and cleaning.
- Daisy Chain end to end making installation easier.
- Uniform light for even plant growth.
- Ready for multi-layer installation.

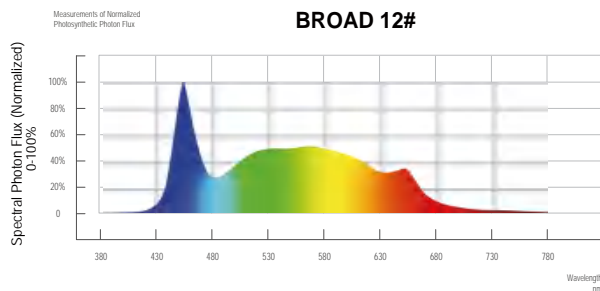
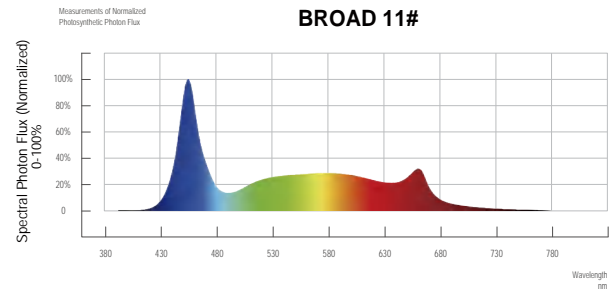
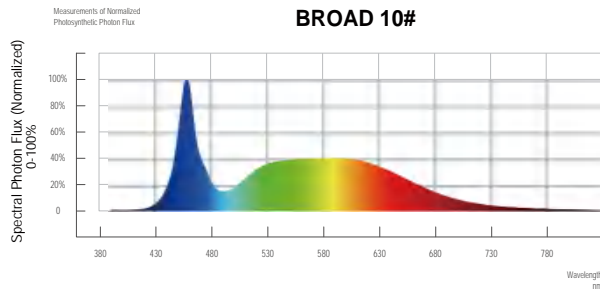
Specification		0.6m / 24inch	0.9m / 36inch	1.2m / 48inch	1.5m / 59inch
Lumen output	μmol/s	18.0-20.7	28.0-32.2	36.0-41.4	48.0-55.2
Power consumption	W	9	14	18	24
Efficacy	μmol/J	2.0-2.3			
Power factor		> 90% at full load			
Input Voltage		100-277V AC, 50/60Hz			
Light Distribution		120°			
Spectrum		Clone、 seedling specialty spectrum			
Ingress protection rating		IP66			
Lifetime(Driver and LED L90)	hrs	> 50,000			
Certifications		FCC,CE,UKCA,PSE,ROHS			
Warranty		3 Year Standard			

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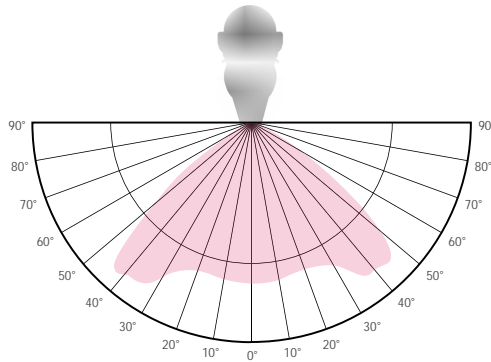
## Spectral Distribution



## Customized Spectrum

## PPFD

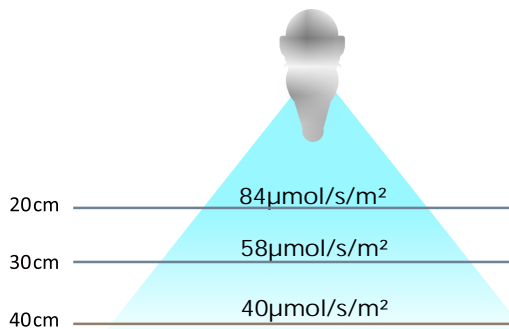
### 120 degree standard beam



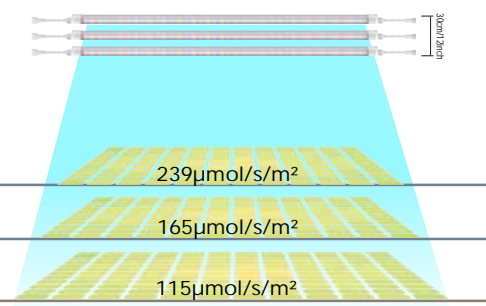
With regards to light distribution SG02 have opted for a wide beam 120 degrees output. In this way you can easily obtain a perfect flat light level over bars, what makes the system also suitable for lower crop light levels.

Muizlux SG02 Clone light is engineered to deliver consistent levels of photosynthetic flux density (PPFD). SG02 deliver a superior seedling spectrum, specially tailored to promote quick rooting, overall plant health, and vigorous early growth in both stem cuttings and seedlings.

### SG02-A-1.2m-18W-SINGLE-PPFD



### SG02-A-1.2m-18W-GROUP-PPFD



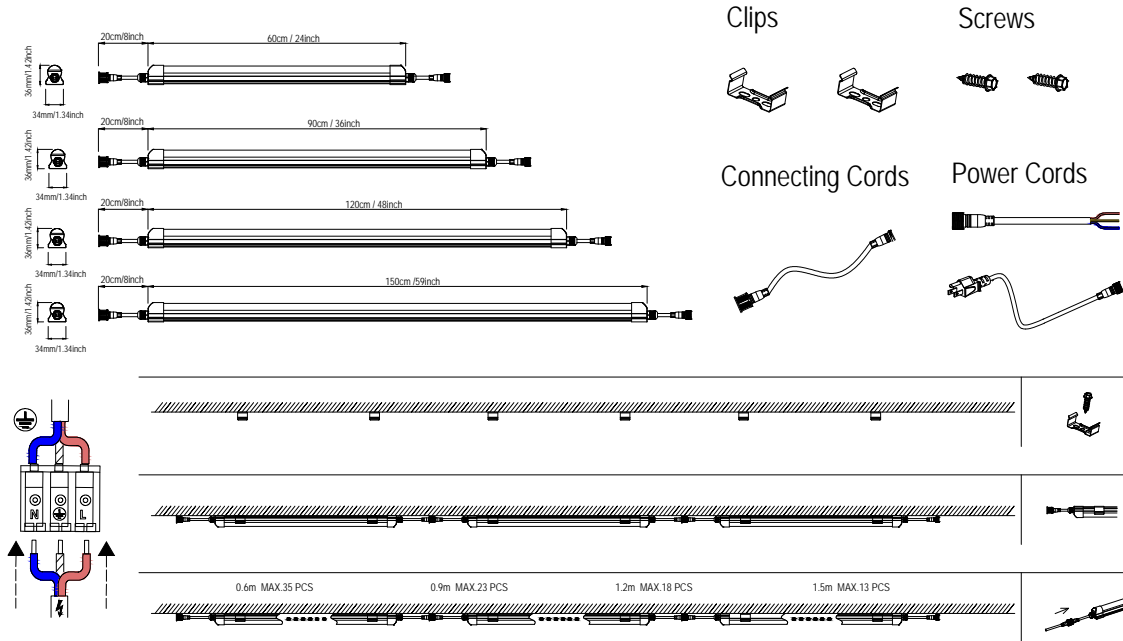
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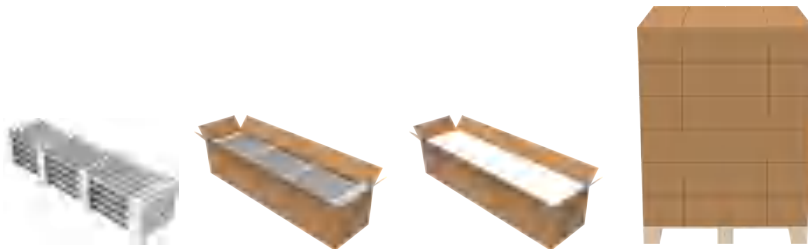
Length with 60cm/90cm/120cm/150cm(24 " /36 " /48 " /59 " )



## Dimensions & Installation



## Package



Par No.	Weight/PC(KG)	QTY/CTN	Out Carton Size(mm)	N.W.(KG)	G.W.(KG)
SG02-A-60cm	0.21	30PCS	W290*H255*L650	6.3	6.8
SG02-A-90cm	0.27	30PCS	W290*H255*L950	8.1	8.7
SG02-A-120cm	0.34	30PCS	W290*H255*L1250	10.2	11.0
SG02-A-150cm	0.43	30PCS	W290*H255*L1550	12.9	14.0



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