

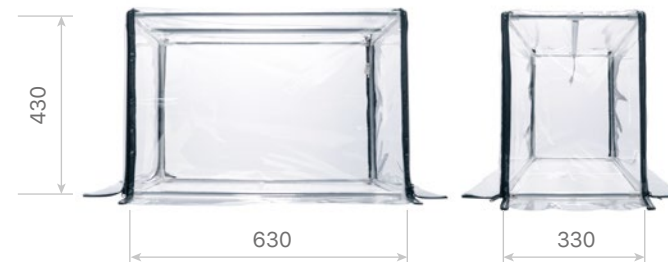
**broody**  
**S**ezam **L**  
MINI GREENHOUSE



**MINI GREENHOUSE**



# DESCRIPTION



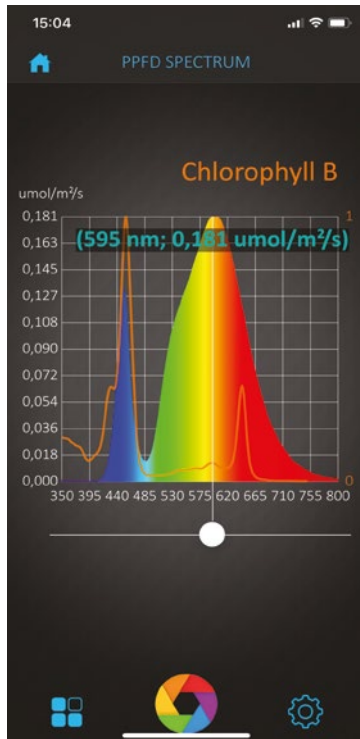
**MINI GREENHOUSE Broody Sezam L** is designed for growing house plants, seedlings, flowers in a city apartment. The system of built-in Phyto-lamps is designed to increase the intensity of illumination of plants in conditions of lack of sunlight, such as a shaded room, northern latitudes of the globe, winter season, etc. Sezam Phyto lamps have a spectrum similar to that of sunlight and can be used both for growing microgreens and seedlings, and for caring for mature plants. Sezam L luminaires are powered by 5V, which makes the system safe for people and pets.

The Sezam L mini greenhouse has a dismantlable structure, consisting of an aluminum frame and an outer cover made of flexible glass silicone film. The outer transparent cover is designed to create a microclimate inside the system, as well as protect it from wind and low temperatures.

## How it works

The potted plants are placed on shelves inside the greenhouse. Built-in Phyto-lights increase the luminous flux intensity and have a beneficial effect on plant development. The outer transparent cover protects plants from wind and drafts. The greenhouse creates a stable microclimate that promotes healthy plant growth. Sezam L mini-greenhouse is designed for installation on balconies, loggias, terraces, as well as inside residential premises.

# LIGHT



- Original lamps Broody™ Full spectrum Samsung LEDs are used - the best on the market for phytolight, today. Indicators PPF and PPF / W (PAR and PAR / W) full spectrum LEDs significantly accelerate plant growth in comparison with narrow spectrum LEDs.
- The advantage of solar LED spectrum consists, first of all, what plants get for their development of **light, similar to natural**. An important factor is preferred susceptibility (human vision) sunlight spectrum before phytolight "bicolor" and "Multicolor".

The luminous flux density (PPFD - photosynthetic photon flux density) 20.6  $\mu\text{Mol} / \text{m}^2 / \text{s}$  ( $\mu\text{Mol} / \text{m}^2 / \text{s}$ ) and the "solar spectrum" are sufficient for growing microgreens in rooms without natural sunlight. In other words, you can grow microgreens in a completely dark room.



# EQUIPMENT



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## FRAME

X 4 TUBE EL-4, LENGTH 600 MM

X 2 TUBE EL-5, LENGTH 300 MM

X 2 TUBE EL-6, LENGTH 300 MM

X 4 TUBE EL-3, LENGTH 400 MM



X 1 TRANSPARENT SILICONE SLEEVE (FLEXIBLE GLASS)



X 8 ELBOW FITTING EL-2

## PHYTO LIGHT



X 1 PHYTO LIGHT LAMP EL-1

## POWER



X 1 POWER ADAPTER 5V 3A



X 1 USB / KAP2 CABLE 100 CM

# ASSEMBLING

## ASSEMBLING THE UPPER FRAME STRUCTURE SB-1

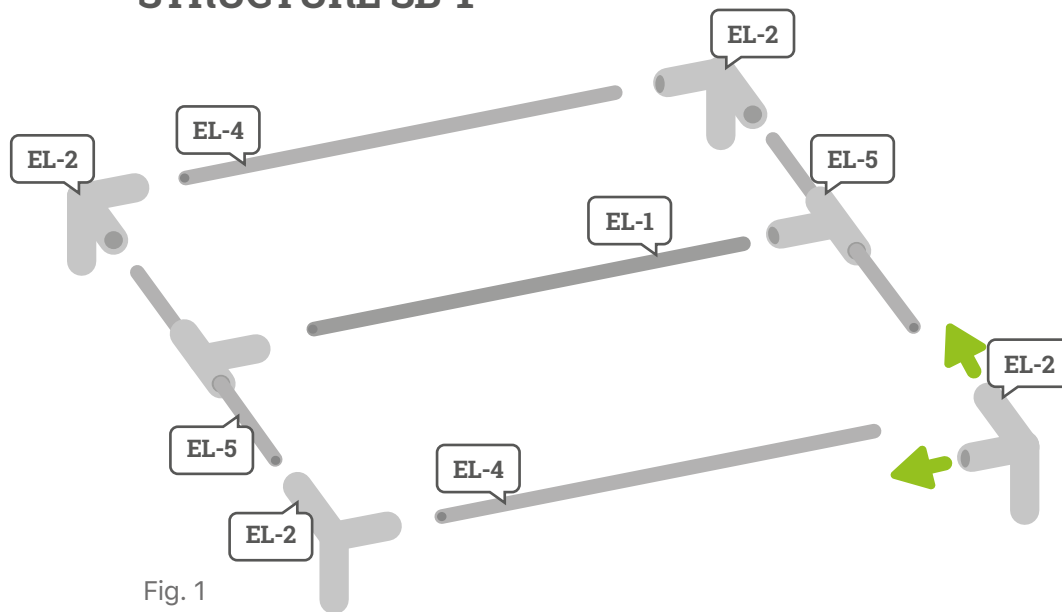


Fig. 1

Take 4 EL-2 connecting elements and attach them to two EL-5 frame elements, then take EL-1 lighting element and attach to EL-5 element, do the same with EL-4 elements only. Finally, attach the last EL-5 element to the finished structure as shown in fig. 1



# ASSEMBLING

## ASSEMBLING THE TLOOR FRAME STRUCTURE SB-2

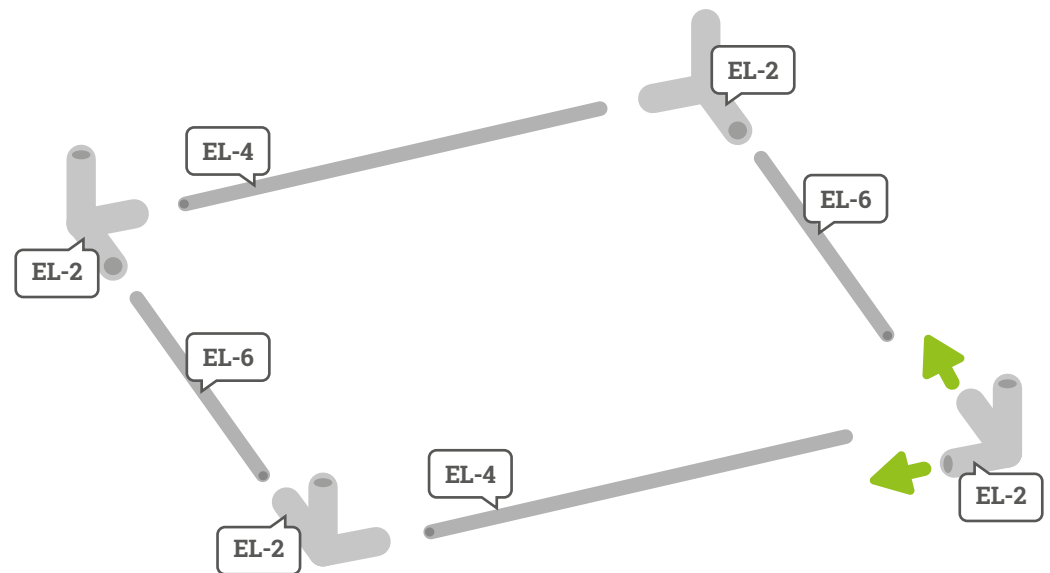


Fig. 2

Take 4 EL-2 connectors and connect them to two EL-6 frame pieces, then connect two EL-4 pieces to one EL-6 piece. Finally, attach the last EL-6 element as shown in fig. 2

# ASSEMBLING

## FINAL ASSEMBLY

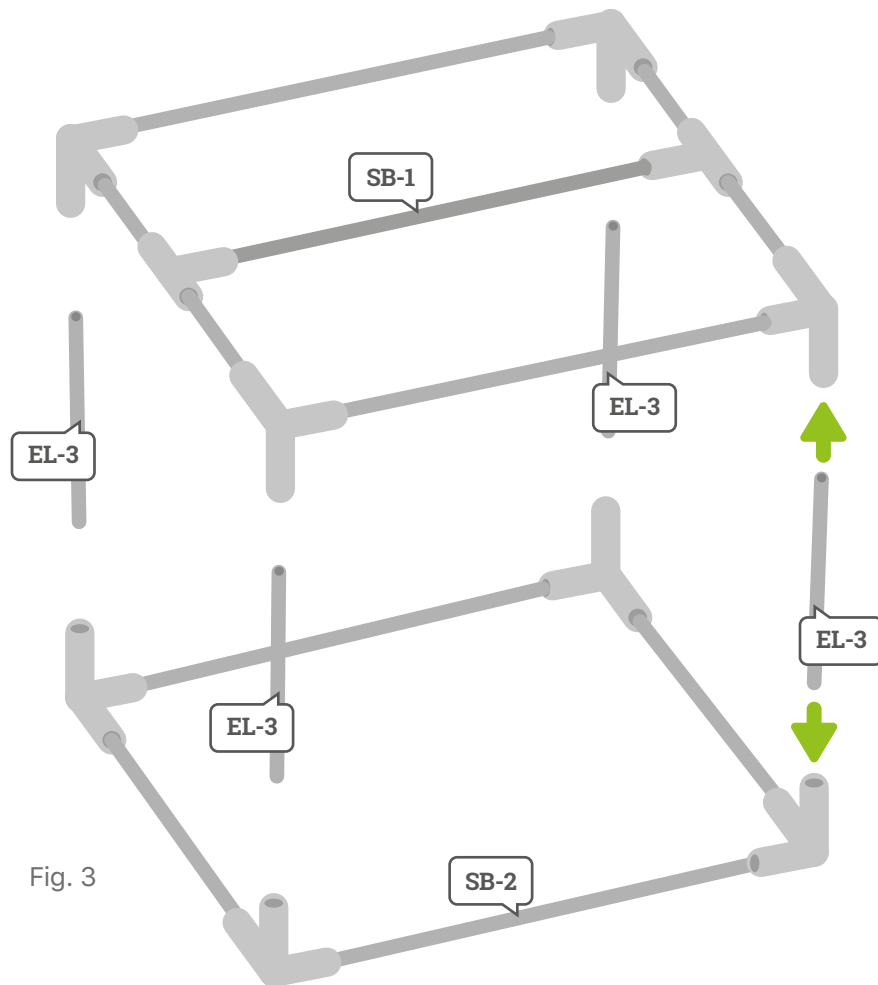


Fig. 3



Take the finished SB-2 frame structure and connect 4 EL-3 frame elements to it, then take the finished SB-1 structure and connect it from above, as shown in fig. 3



# TECHNICAL INFORMATION

## COMPLETE SET

1. Transparent silicone sleeve (flexible glass) - 1 pc
2. A set of tubular frame elements - 12 pcs
4. Phyto light lamp - 1 pc
5. Power adapter 5V 3A - 1 pc
6. USB / KAP2 cable 100 cm - 1 pc
7. Instructions for the operation of the mini-greenhouse
8. Warranty card <sup>TM</sup> Broody

## WARRANTY

12 months

## TECHNICAL CHARACTERISTICS

Mains voltage	110-220 v
Supply voltage lamps	5 v
Lamp power	3,1 W
Luminaire spectrum	Full Spectrum
Number of LEDs (Samsung LM301B)	8
Number of additional LEDs (optional)	4
Lamp size	600 x 19 mm (diameter)
Photosynthetic active radiation (PAR)	20,63 $\mu\text{Mol}/\text{m}^2/\text{s}$
Illuminance	1512 Lx
luminous flux ( $\Phi_v$ )	310,4 Lm
Luminous performance	120 Lm/W
Infrared rejection (IRR)	4,45 $\text{W}/\text{m}^2$
Color rendering index CRI (Ra)	74,9%
Correlated color temperature (CCT)	3440 K
Box size assembled	650 x 600 x 400 mm
Packing size	730 x 110 x 110 mm
Weight of packing	1.5 kg