

TMbroody
Sezam **XL**
MINI GREENHOUSE



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DESCRIPTION

MINI GREENHOUSE Broody

Sezam XL 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 XL luminaires are powered by 5V, which makes the system safe for people and pets.

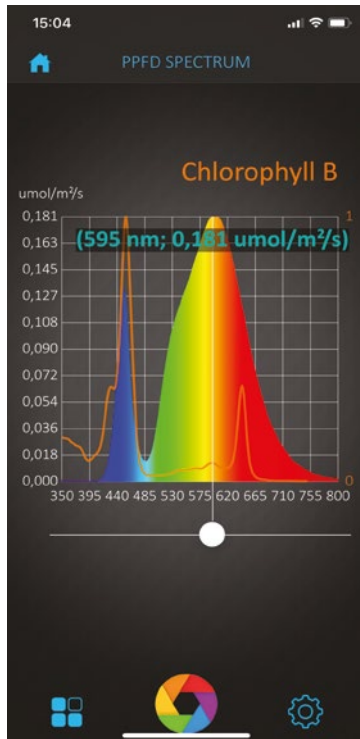
The Sezam XL mini greenhouse has a dismantlable structure, consisting of an aluminum frame and an outer cover made of flexible glass silicone film. The outer transparent cover is designed to create a microclimate inside the system, as well as protect it from wind and low temperatures.

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 XL 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 745 MM



X 4 TUBE EL-5, LENGTH 710 MM



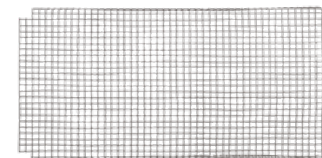
X 8 TUBE EL-6, LENGTH 600 MM



X 9 TUBE EL-3, LENGTH 600 MM



X 1 TRANSPARENT SILICONE SLEEVE (FLEXIBLE GLASS)



X 3 STEEL MESH SHELF



X 4 ELBOW FITTING EL-2

PHYTO LIGHT



X 3 PHYTO LIGHT LAMP EL-1

POWER



X 1 POWER ADAPTER 5V 3A



X 1 USB / KAP2 CABLE 100 CM

ASSEMBLING

ASSEMBLING THE SB-1 CHASSIS SUPPORTS

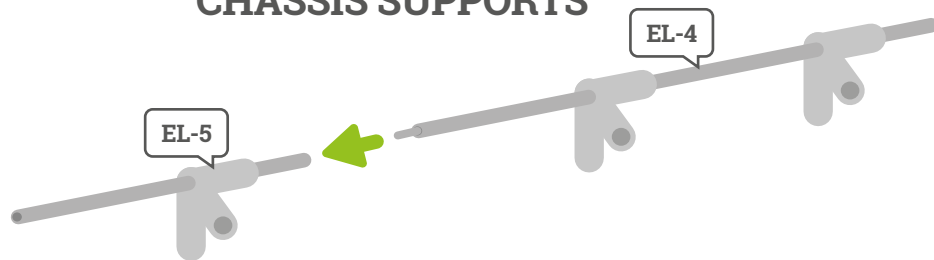


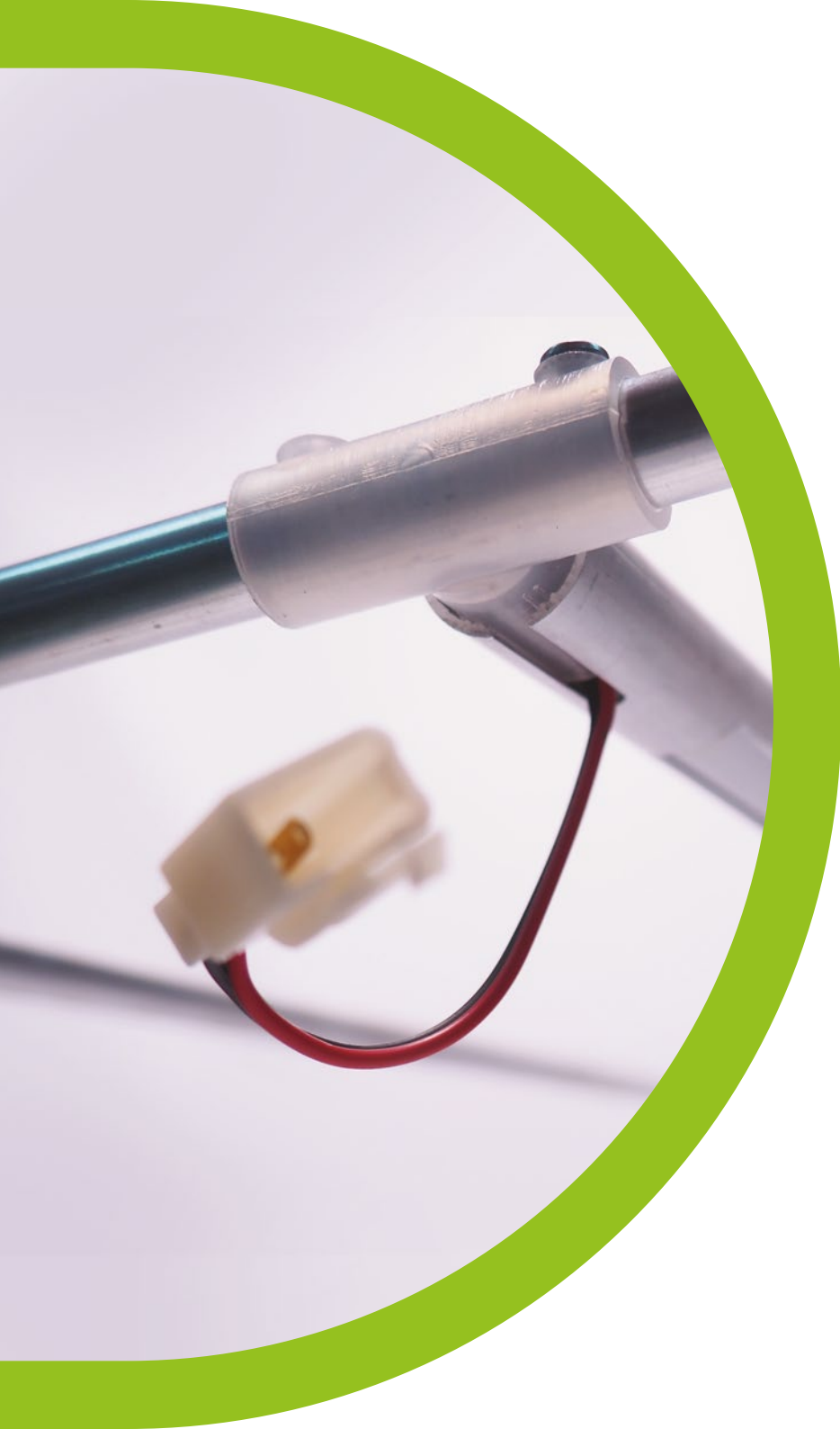
Fig. 1



Take the frame element EL-5 and connect it to the frame element EL-4, as shown in Fig. 1 (similarly assemble all elements EL-5 and EL-4)



ASSEMBLING



ASSEMBLY OF FLOOR STRUCTURES SB-2

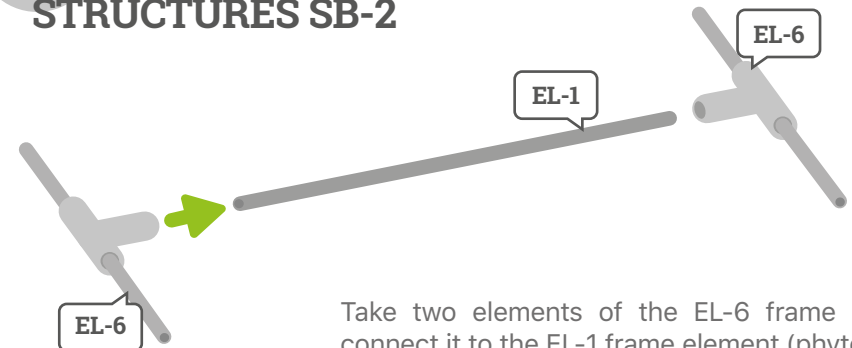


Fig. 2

Take two elements of the EL-6 frame and connect it to the EL-1 frame element (phytolamp), as shown in Fig. 2 (similarly assemble all SB-2 structures)

ASSEMBLING THE STRUCTURE OF THE LOWER FLOOR SB-3

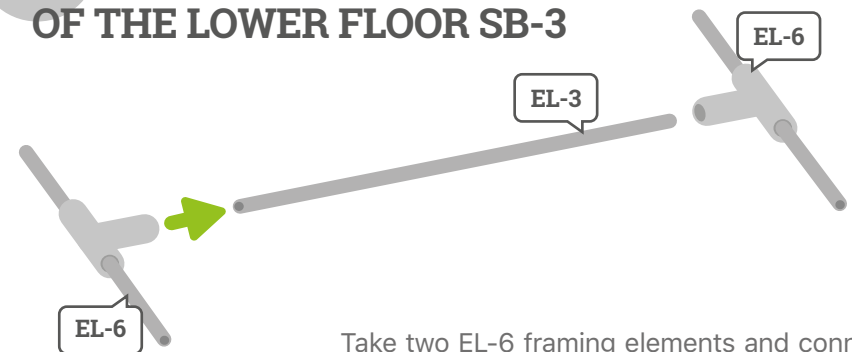


Fig. 3

Take two EL-6 framing elements and connect it to EL-3 framing element as shown in fig. 3



ASSEMBLING

ASSEMBLING THE SIDE PARTS OF THE SB-4

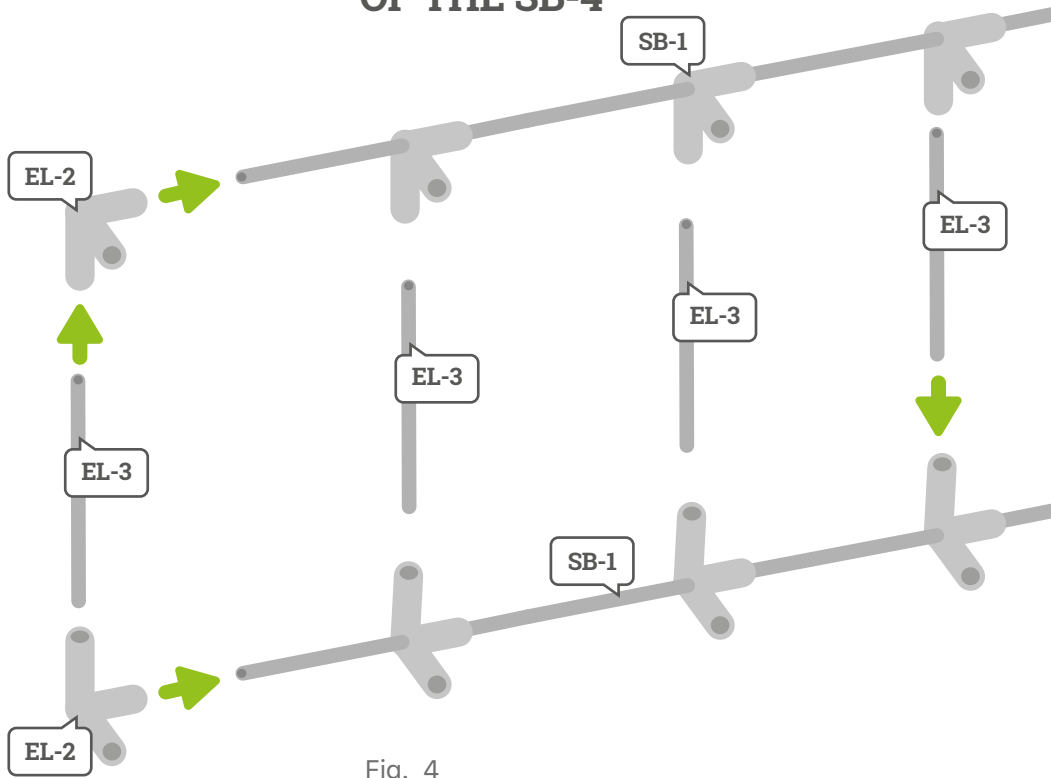


Fig. 4



Take the EL-2 connecting fittings and two SB-1 constructions and connect them all to the 4 EL-3 frame elements, as shown in fig. 4



ASSEMBLING

Final assembly

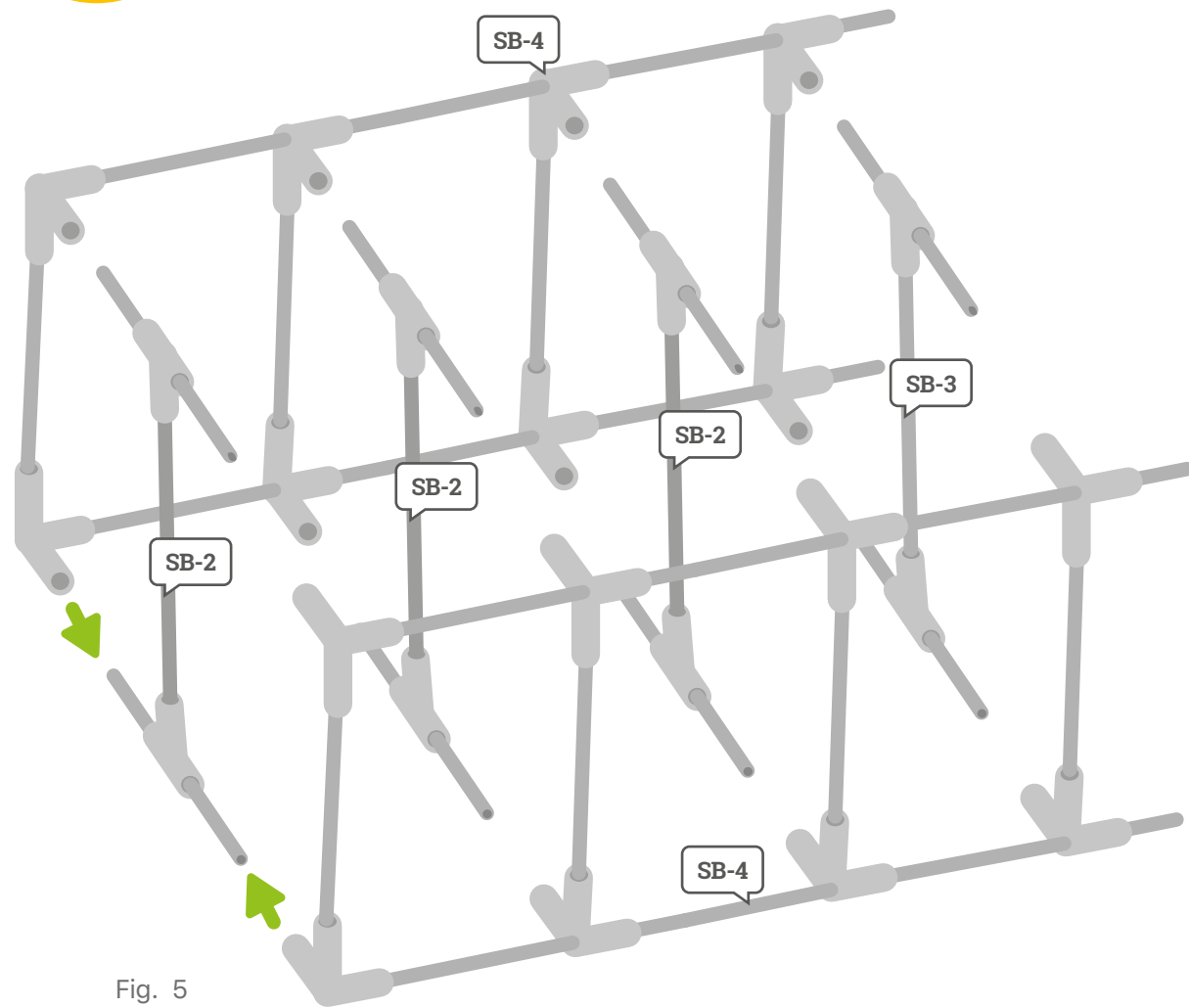


Fig. 5

Take three SB-2 structures, one SB-3 structure and connect them all to the two SB-4 structures as shown in fig. 5

TECHNICAL INFORMATION

COMPLETE SET

1. Transparent silicone sleeve (flexible glass) - 1 piece
2. A set of tubular frame elements - 29 pcs.
3. Steel mesh shelf - 3 pcs.
4. Phyto light lamp - 3 pieces
5. Power adapter 5V 3A - 1 pc (optional)
6. USB / KAP2 cable 100 cm - 1 pc
7. Instructions for the operation of the mini-greenhouse
8. Warranty card TM Broody

WARRANTY

12 months

TECHNICAL CHARACTERISTICS

Mains voltage	110-220v
Supply voltage lamps	5 v
Lamp power	9,3W
Luminaire spectrum	Full Spectrum
Number of LEDs (Samsung LM301B)	3 x 8
Number of additional LEDs (optional)	3 x 4
Lamp size	600*19 mm (diameter)
photosynthetic active radiation (PAR)	3 x 20,63 $\mu\text{Mol}/\text{m}^2/\text{s}$
Illuminance	3 x 1512 Lx
luminous flux (Φ_v)	3 x 310,4 Lm
Luminous performance	120 Lm/W
Infrared rejection (IRR)	4,45 W/m ²
Color rendering index CRI (Ra)	74,9%
correlated color temperature (CCT)	3440 K
Box size assembled	1445 x 640 x 340 mm
Weight, without box	5,7 kg
Packing size	760 x 470 x 100 mm
Weight of packing	6 kg