

**Bioloark<sup>®</sup>**

WISDOM, HOME, NATURE AND LIFE



# Let's introduce ourselves! —We are Bioloark

Congratulations!

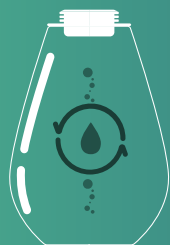
You will be the creator of the BIOLOARK ecological bottle. You are free to complete a mini ecological environment. Before that, please refer to the information we have provided for you.





**Perfect light**

Simulating the natural world, giving plants sufficient light will not affect the growth of plants depending on the placement.



**Balanced moisture**

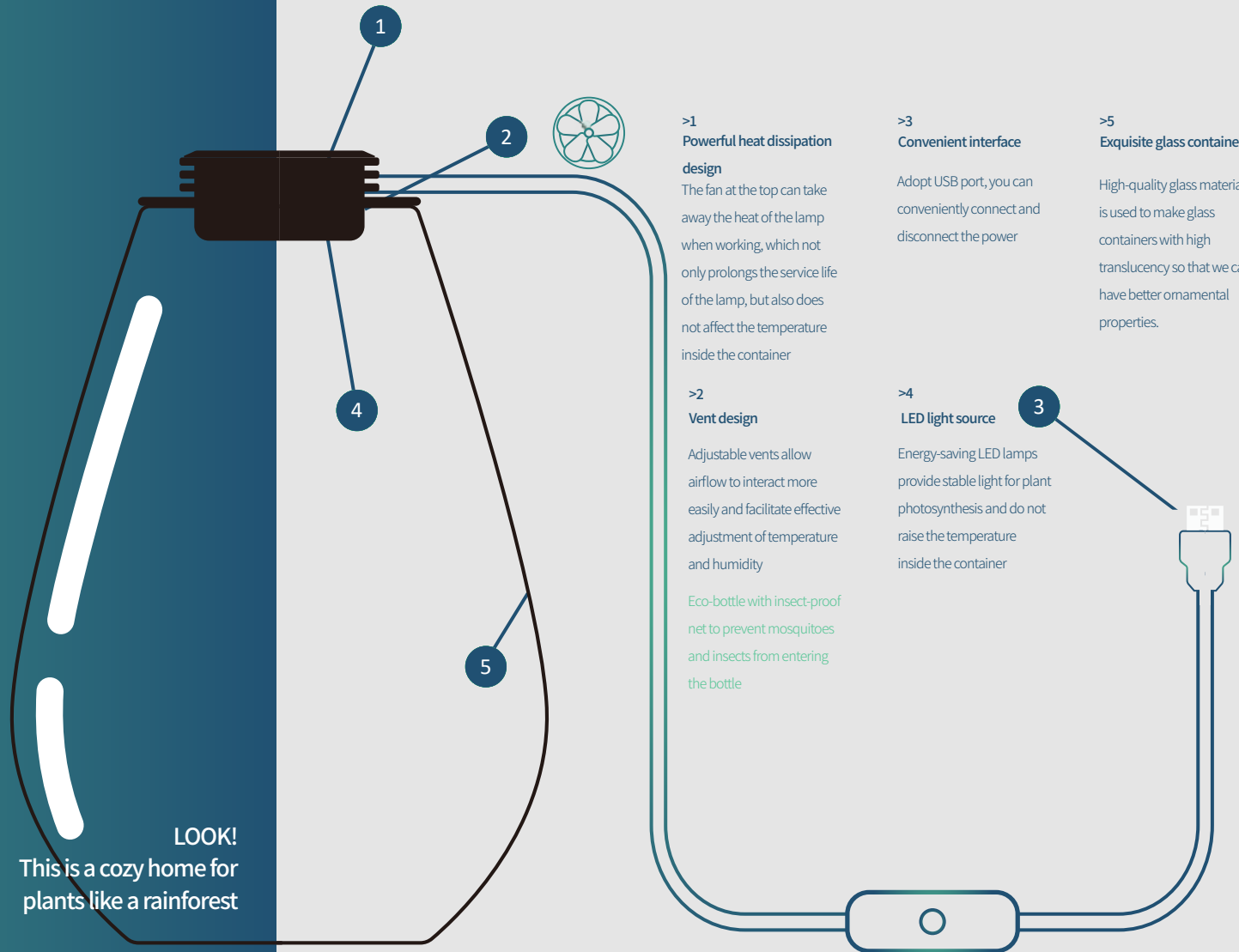
Effectively prevents water loss and builds a stable mini-ecology.



**Healthy microclimate**

Adjustable ventilation design ensures plant respiration and atmospheric interaction, giving plants a stable climate environment.

**LOOK!**  
This is a cozy home for plants like a rainforest



**>1 Powerful heat dissipation design**

The fan at the top can take away the heat of the lamp when working, which not only prolongs the service life of the lamp, but also does not affect the temperature inside the container

**>2 Vent design**

Adjustable vents allow airflow to interact more easily and facilitate effective adjustment of temperature and humidity

Eco-bottle with insect-proof net to prevent mosquitoes and insects from entering the bottle

**>3 Convenient interface**

Adopt USB port, you can conveniently connect and disconnect the power

**>4 LED light source**

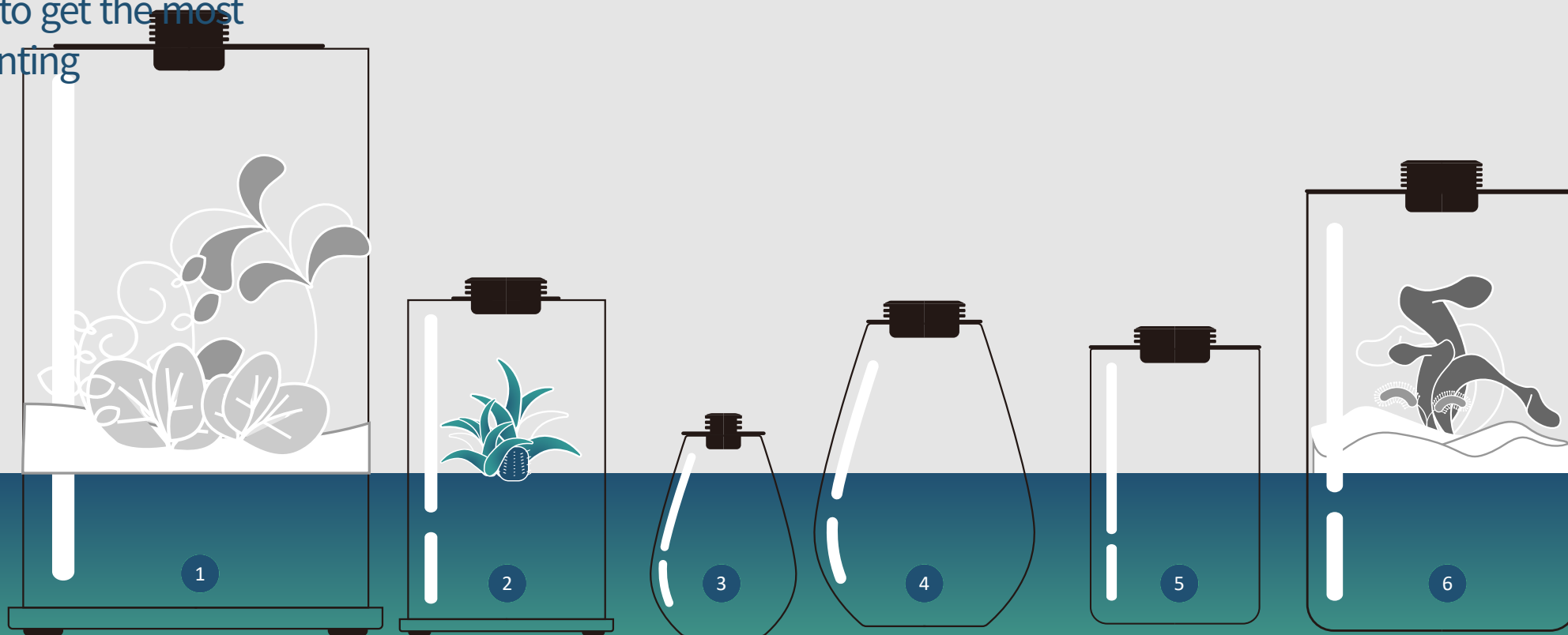
Energy-saving LED lamps provide stable light for plant photosynthesis and do not raise the temperature inside the container

**>5 Exquisite glass containers**

High-quality glass material is used to make glass containers with high translucency so that we can have better ornamental properties.

In our opinion

We offer a wide variety of ecological bottles to get the most out of your planting



In our opinion  
Depending on the plants you  
want to grow, choose the right  
soil for them.

# PREPARE

The beginning of the  
process  
You need to prepare

It is also suitable for plant absorption, akadama-soil  
and pumice are perfect for our ecological bottle.

It can absorb water and keep it in its own body

It can effectively prevent water from accumulating in the ecological bottle

Clear and pure water can effectively avoid water stains on the bottle walls

- Planting plants can choose long pliers,  
tweezers scissors, and other tools to  
work with to create your favorite plant  
landscape

Choose your plants wisely and treat them  
scientifically, you will get a perfect  
ecological vase landscape.

Arrange the plants according  
to their habits  
Maintain clarity and  
transparency by creating the  
right ecological balance.

Each plant you choose is like  
living in a shared apartment.  
To make them get along, you  
should take care of them as if  
they were your family's  
children while taking care of  
their habits.

Ultimately, Bioloark's  
eco-bottles are like a  
community of different  
plants. Therefore, for each  
plant to get along well, you  
should select them according  
to their habits so that they can  
grow well.

# CHOICE

The available reference plants  
are mainly divided into

- Desert plants
- Rainforest plants
- Swamp plants
- Different plants have different  
properties

## >1 Desert Plants

Desert plants do not need especially much  
water, and their leaves are small, which can  
reduce the water loss brought by  
transpiration of the plant. So there is no  
need to give it water every day, and it can  
grow well with a proper increase of air  
circulation.

### Desert Plants

Cactus, aloe, golden-ball  
cactus, curly cypress,  
starfish-flowers, pearl  
bracket-plant

## >2 Rainforest Plants

Rainforest plants like wolf-tail ferns  
need to control light and humidity in  
ecological bottles, and perhaps you  
will soon be able to cultivate a  
miniature version of the Amazon

### Rainforest Plants

Bromeliad, Tillandsia

## >3 Bryophyte

Mosses are shade-tolerant plants and  
require some diffused light or half-shade  
and half-sun environmental conditions,  
while a shady environment is not suitable  
for mosses to grow. Most mosses are  
suitable for the humid environment and  
do not tolerate dryness or high

temperature. It is especially important to  
keep the air humidity above 80% during  
cultivation. Mosses grow well when the  
temperature reaches 22°C or above, and it  
is best to keep them at 25-30°C for rapid  
reproduction.

### Bryophyte

Leucobryum, Short-staple moss,  
Thuidium cymbifolium, Polytrichum,  
East Asian Climacium dendroides,  
Japanese dicranum scoparium,  
Fissidens nobilis, and so on

## >4 Stramonium and emerged plants

Both types of plants are  
very suitable for eco-bottle  
culture, as long as they are  
given certain light and  
humidity they can grow  
lushly in the eco-bottle.

## >5 Insectivorous plants

All insectivorous plants like humidity, but it is  
best to use pure water. And all insectivorous  
plants like sunlight, so make sure there is  
enough light. Insectivorous plants do not  
tolerate low temperature, the temperature  
must not be lower than 15 degrees in winter,  
otherwise, they will freeze to death, and too  
high temperature will also affect the  
dormancy of wet insectivorous plants

suitable environment  
quietly illuminate your life  
with lights and warm light  
to ensure your comfortable  
night.

# PROCEDURE

You'll soon have a beautiful mini garden.

>1

### Mini garden

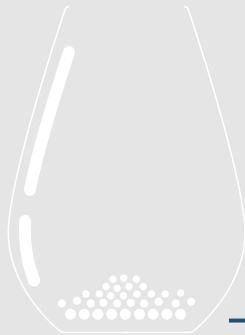
Take an eco-bottle of your choice and start your plant creation journey, you will get a pleasant plant landscape-making journey.



>2

### Mini garden

Add pumice, soaked moss, akadama-soil, and other substrates to the bottom of the eco-bottle to provide a better nutritional environment for your plants.



>3

### Mini garden

Conceptualize the type of plants you like for your landscape and choose the right plants, stones, and woods to be placed in the eco-bottle.



>4

### Mini garden

The whole eco-bottle can be decorated by spreading the right amount of moss in the vacant area of the landscape.

>5

### Mini garden

Finally, add the right amount of water, install the light, plug it in, and then after placing it in your favorite location, a beautiful eco-bottle production is finished.



## How to take care of your mini-garden

### We have written down a few important items, knowing these

### You will have a lot of fun with it!

#### How to provide light in eco-bottles

Plants need more than 8 hours of light per day but do not place the eco-bottle in direct sunlight. In particular, you need to avoid the harsh direct sunlight in the afternoon to avoid burning the plants by increasing the temperature inside the eco-bottle. The LED light inside the eco-bottle can make the plant grow healthily. In addition, it is necessary to create some dark time for the plant to rest properly.

#### How to provide water to plants in eco-bottles

It's hard to tell you exactly how often to water, the type of eco-bottle, the season, temperature, and light. All of these can affect the amount of water a plant needs. If you are not sure whether to water or not, you can determine whether to water by observing whether the plant surface is dry and whether a mist is produced when the lid is closed. Water if the soil is dry; don't water if it is wet. Remember to check your mini-garden weekly, as the environment changes very quickly. How to provide water to plants in eco-bottles

#### What is the best temperature control for plant growth

The suitable environment for eco-bottle is 10°C-28°C, so please give it a suitable temperature environment in hot summer and cold winter. Your mini-garden will have a better growing condition. What is the best temperature control for plant growth?

#### About how to prune plants that grow too fast

Since there is not much space in an eco-bottle, you need to prune your plants regularly so that the taller plants do not block the light needed by the shorter ones. You can use scissors or break off new branches by hand. The pruned branches can be repopulated and used to grow other eco-bottles. If the plant grows too big, carefully plant it in other places.

#### Why does the LED light not light up

Please check whether the power adapter is suitable, replace the suitable power adapter.

When the product has a problem within the warranty period, please contact the nearest repair facility or contact us through the website [www.bioloark.cn](http://www.bioloark.cn).



## Sometimes you may find pests lurking inside your eco-bottle. These pests may be brought in from gardening soil moss, or the plants themselves

A white flocculent mass at the leaf junction may be caused by mealybugs.

Gently wipe with a cotton swab dipped in topical alcohol or use pyrethrum spray.  
If the problem is not solved, then remove the plant from the eco-bottle

This phenomenon may be due to the presence of aphids, which often gather around young stems and leaves where they suck the plant's sap, hindering its growth and even causing it to die

The leaves are white and lusterless; there are fine white spider threads;  
yellow patches appear on the leaves

Adult red spiders are brown, oval-shaped, and very small.  
They suck plant sap and often hide on the back of the leaves to cause mischief

Wash the leaves with insecticidal soap water or pyrethrin or alcohol;  
if the condition does not improve, remove the plant from the eco-bottle

Tiny black flying insects

These black flying insects, which are attracted to indoor plants and moist soil, are harmless but annoying  
You can let the soil dry thoroughly for a few days, which will make it less attractive to small black flying insects,  
sprinkle a mildew killer or spray pyrethrin on the soil surface

Leaves are nibbled or missing

Caterpillars are usually active at night and very voracious, hiding during the day

Act quickly to minimize damage by inspecting plants carefully and removing caterpillars promptly.  
If you can't find the culprit, spray pyrethrin spray in an eco-bottle

Withered tender shoots; rice-sized larvae on the back of leaves

Whiteflies often hide on the backs of leaves to feed and are small white bugs that weaken plants

Spray the back of the leaves with insecticidal soap water to ensure that all larvae are sprayed

Regularly and carefully observe your mini-garden for signs of pests and diseases. If the plants don't look too healthy, first check that the plant roots are firmly covered by soil. This will allow water to be delivered to all parts of the plant. If the problem persists here are some suggestions to help your plants grow healthily

Plants grow disorderly

It has been planted for a long time

Carefully remove all plants for pruning, separation and rescue. Empty the eco bottle container clean it and replant it



Salt deposits on the glass

The tap water used for watering or the body of water is not clean

Leave tap water for 12 hours before using it for watering, or use pure water

Insufficient light causes plants to grow too tall or grow in vain

Insufficient light

Prune the plants and transplant them closer to the light source.



Leaves look wilted

Improper planting; Not enough light

Soil should firmly cover all roots without gaps, which allows the plant to absorb more water; Increase light



Leaves turn yellow and fall off

Too much water or not enough light

Reduce watering; if closed containers are used, open the lid to dry for a few days, move to an area with more light, and remove affected plants





ANNUAL  
RING





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