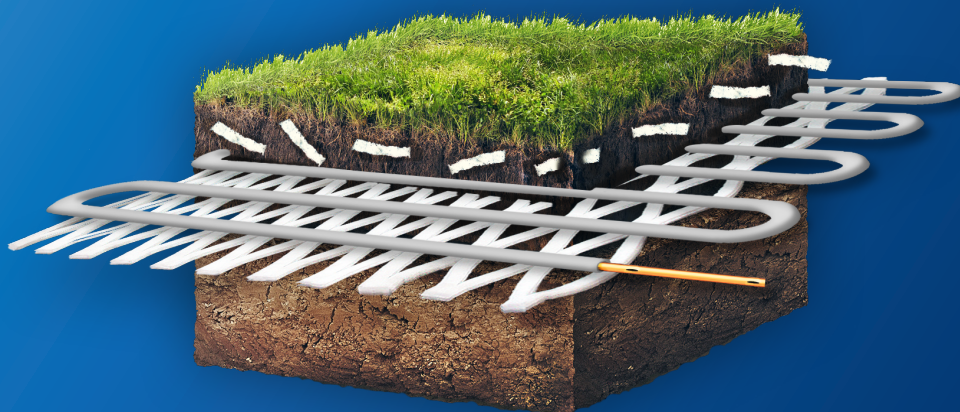


## Textile water storage & Underground irrigation system

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TREES

SHRUBS

BUSHES

RAISED BEDS

BALCONY BOXES

PLANT TROUGHS

FLOWER POTS

SLOPES

GREEN ROOFS

LAWNS

ORCHARDS

FILTER BASINS



# LITE-STRIPS

Water storage strips



LITE-STRIPS are water retaining non-wovens in strip form for mixing into the soil close to the roots.

They serve as substrate improvement for loosening compacted soil, for aerification or to support initial growth. Due to the elongated shape of the non-woven strips, the substrate is more permeable and stable.

In addition, the water storage capacity is significantly increased. Plants can access the stored water in the non-woven very easily and effectively when needed.

1 kg of LITE-STRIPS stores up to 10 l of water.

## Advantages

- » Watering only half as often
- » For indoor and outdoor
- » Stores water directly at the roots
- » Better growth, sustainable growth
- » Loosened and better aerates soil
- » Also ideal for peat-free soil

## Applications

Trees, shrubs, bushes, raised beds, flower beds, vegetable beds, pots, plant troughs, balcony boxes, flower boxes, lawns, embankment greening, urban gardening...



## Materials



### BIO1

100% cellulose fibers.  
Biologically degraded after approx. 1-2 years.



### BIO5

30% cellulose + 70% PLA  
Biodegraded / composted after approx. 5-10 years.



### PP

100% polypropylene  
Durable and sustainable.

## Sizes

### 2,5 L

Up to 50 l of soil  
5 m<sup>2</sup> lawn

LITE-SOIL has received the "Natur im Garten" Approval for LITE-STRIPS Bio1 2.5L!



### 10 L

Up to 200 l of soil  
20 m<sup>2</sup> lawn

### 25 L

Up to 500 l of soil  
50 m<sup>2</sup> lawn



## Installation

### TREES, BUSHES & SHRUBS

Mix approx. 10-20 l per tree into the soil near the root ball. LITE-STRIPS Bio1 can be combined very well with LITE-NET vegetation net. LITE-NET Anwachsnetzen.

### RAISED PLANTING BEDS & PLANT DRAWERS

Mix approx. 5-10 % of the volume into the soil. You need to water less often, plants get water even in dry periods or holidays.

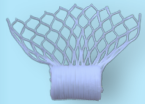
### LAWNS, ATHLETIC FIELDS, SOCCER FIELDS, BEDS, VEGETABLE BEDS, SLOPES

Mix approx. 0.5 - 1 l LITE-STRIPS Bio1 per m<sup>2</sup> into the soil root-deep, e.g. using a rake.

### ROOF GREENING

Mix approx. 1 l LITE-STRIPS Bio1 per m<sup>2</sup> into the substrate, depending on the build-up thickness.





# LITE-NET

Water distribution net



The LITE-NET non-woven nets with a high water- and air conducting performance supply plant roots similar to veins.

The nets are simply laid out on the ground, pulled apart to 3 to 5 times in the width and covered with soil to the depth of the roots.

They can also be raised to the surface in places (e.g., root balls), where they allow direct absorption of air and water, then distribute it over a large area at the root level.

The flexible and easy-to-install water distribution and storage net can be used close to the roots and efficiently at any level, as roots can easily grow through the open net structure and dock all around.

### Advantages

- » Watering only half as often
- » Distributes water & air exactly where the plants need it: directly to the roots
- » Can be easily cut to size
- » Ideal for peat-free soil
- » The extremely flexible net adapts perfectly to the soil, promotes plant growth and reduces potential erosion.

### Applications

Trees, lawns, lawns grids, slopes, green roofs, athletic fields, filter basins, orchards, planters and raised planting beds, shrubs, bushes, vegetable beds, urban gardening...

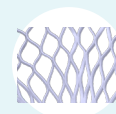


### Materials



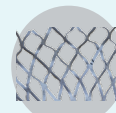
#### BIO1

100% cellulose fibers.  
Biologically degraded after approx. 1-2 years.



#### BIO5

30% cellulose + 70% PLA  
Biodegraded / composted after approx. 5-10 years.



#### PP

100% polypropylene  
Durable and sustainable.



### Sizes

0,8 m<sup>2</sup>  
(1,1 x 0,7 m)  
Just in BIO 1



2,1 m<sup>2</sup>  
(1,3 x 1,6 m)



10,4 m<sup>2</sup>  
(1,3 x 8 m)



28 m<sup>2</sup>  
(1,75 x 16 m)



### Installation

#### SLOPES/VEGETATION

For slopes, the LITE-NET Bio1 is laid on the surface as a growing aid.

#### TREES, SHRUBS & BUSHES

Wrap a suitably cut piece of LITE-NET around the root ball to direct water & air from the surface directly to the roots. As an additional water reservoir, place another LITE-NET horizontally in the tree pit. This ensures that the deep root space is optimally supplied.

#### RAISED PLANTING BEDS, LAWNS, SOCCER FIELDS, ATHLETIC FIELDS

Place the LITE-NET pulled apart and add soil over it to root depth (approx. 10 cm for lawns). Soil over it (ideally mixed with LITE-STRIPS), done.



# LITE-POT & HOLIDAY-BAG

Nonwoven insert for balcony boxes and pots



### Material

100 % recycled polyester.  
SUSTAINABLE, RECYCLED, DURABLE  
AND REUSABLE.



- LITE-POT supplied for several days plants in balcony boxes and pots

LITE-POT is a nonwoven insert that stores excess water like a sponge and releases water back to the plants as needed.

LITE-POT supplies your plants with water for several days. They can be easily cut to size depending on the size of the balcony box or pot.

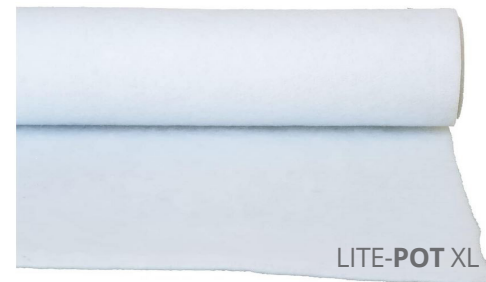
Can be ideally combined with LITE-STRIPS as an additional water storage.

### Advantages

- » Watering only half as often
- » Distributes water & air exactly where the plants need it: directly to the roots
- » Can be easily cut to size
- » Ideal for longer absences
- » Supplies your plants with water for several days
- » Multiple reusable

### Applications

Balcony boxers, pots, planters...



- HOLIDAY-BAG water storage contains:

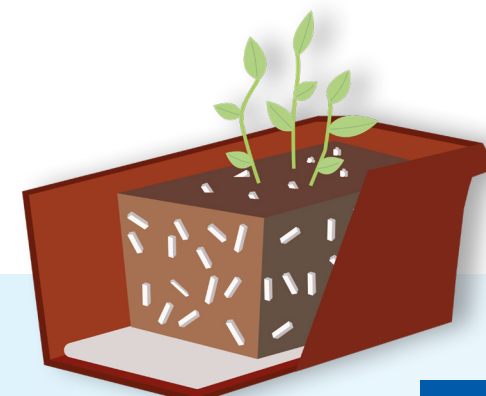
1. LITE-POT: 2 inserts each 60 x 12,5 cm
2. LITE-STRIPS: up to 25 liter of soil

### Advantages

- » 2 - in - 1 water storage
- » Ideal for longer absences such as holidays or business trips
- » Stores water directly at the roots
- » Loosened and better aerated soil

### Installation

Place LITE-POT on the bottom of the pot, ideally with the slightly denser side on top. If necessary, simply cut to size, the nonwoven insert can also be pulled up a little at the sides. Place soil on top, plant. Add a mixture of soil with approx. 5% (vol.) of LITE-STRIPS. Water sufficiently and done!



### Sizes

**LITE-POT M**  
4 pcs. each 60 x 12,5 cm



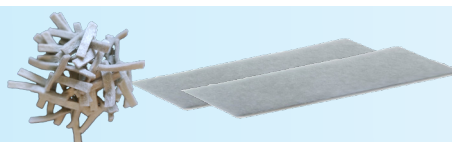
**LITE-POT L**  
3 pcs. each 100 x 12,5 cm



**LITE-POT XL**  
1 pcs. 85 x 200 cm



**HOLIDAY-BAG**  
LITE-POT 2 pcs. each  
60x12,5cm + LITE-STRIPS PP





# BLUELITE-NET

Underground irrigation system

The **BLUELITE-NET** system is a completely novel and technically improved solution for water-saving subsurface irrigation.

The **BLUELITE-NET** system is an optimal solution for water-saving underground irrigation for lawns, athletic fields or trees.

It consists of 2 elements: A) non-woven net and B) a drip irrigation tube with a non-woven covering laid directly on it.

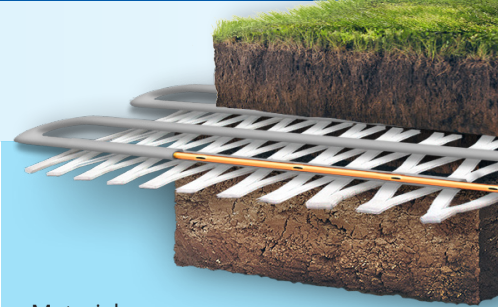
The water from the flexible hose is evenly released via the extremely robust non-woven coating into the net underneath, where it is distributed capillary over a large area in the root zone of the plants.

## Advantages

- » Up to 70% water saving compared to spray irrigation
- » Supplies roots precisely and evenly
- » Area usable during irrigation
- » Protection against root ingrowth, fines & vandalism
- » No evaporation, felting, waterlogging
- » Simple installation, low maintenance

## Installation

1. Loosen subsoil, remove existing turf when renewing.
2. Place the LITE-NET and pull it apart to a width of approx. 1.3 to 1.8 m.
3. Lay **BLUELITE-TUBE** directly on top. Spacing approx. 50-60 cm for water-permeable soils (e.g. sand), otherwise approx. 60-70 cm. If necessary, fix with pegs or some soil.
4. Cover with soil or substrate to root depth (approx. 8-15 cm for lawn), compact and sow or lay turf.
5. Connect, pour - done.



## Material

100% polypropylene  
DURABLE AND REUSABLE.



## Technical data and size:

- Flexible, 16.1 mm drip tube with non-woven covering (**BLUELITE-TUBE**) for 17 mm push-in connections, wall thickness 1.2 mm, pressure-compensated drippers at 33 cm intervals, each with 2.3 l/h flow rate at 0.59 to 4.14 bar.


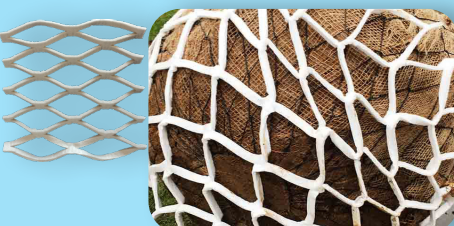


Required filtration 125 micron. It is recommended to use a ½" aeration and deaeration valve. length 50 m.



- 6 mm thick water storage and distribution net (**LITE-NET**) with 85-90% pore content. Maximal size 28 m<sup>2</sup> bei 1,7 x 16,3 m.



# Prices

	<b>Bio1</b>	<b>Bio5</b>	<b>PP</b>
	100% cellulose approx. 1-2 years	30% cellulose + 70% PLA approx. 5-10 years	100% polypropylene Durable
<b>LITE-STRIPS</b> Water storage strips 	<b>2,5 L</b>	15,00 €	15,00 €
	<b>10 L</b>	35,00 €	37,00 €
	<b>25 L</b>	70,00 €	73,00 €
<b>LITE-NET</b> Water distribution net 	<b>0,8m²</b>	14,00 €	
	<b>2,1m²</b>	23,00 €	23,00 €
	<b>10,4m²</b>	67,00 €	69,00 €
	<b>28m²</b>	150,00 €	155,00 €
<b>LITE-POT &amp; HOLIDAY-BAG</b> 	<b>M*</b>		12,00 €
	<b>L*</b>		14,00 €
	<b>XL*</b>		24,00 €
	<b>HOLIDAY BAG</b>		16,00 €
<b>BLUELITE-NET</b> Underground irrigation system 	<b>28m²</b>		350,00 €

\*100% recycled polyester

## LITE-SOIL GmbH

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