

SEE
WHAT
LIGHT
CAN
DO

SEASON 2014 - 2015

in-lite[®]

CONTENTS

3	NO LIGHT NO GARDEN
4	INSPIRATION GARDEN 1
10	INSPIRATION GARDEN 2
16	INSPIRATION GARDEN 3
20	THE 12 V IN-LITE SYSTEM
22	INSTALLING IN-LITE YOURSELF
24	SEE WHAT LIGHT CAN DO
28	LIGHT BALANCE
32	THE RIGHT LIGHT IN 5 STEPS
34	HIGHLIGHTED

NO LIGHT NO GARDEN

Not for half of the time anyway. Because half of the time we live in the dark and we do not see our gardens. Light in the garden makes sitting in the garden on summer evenings more enjoyable. Light allows you to see your garden the whole year round from indoors. It not only gives you a safe feeling, it also draws the garden into the house. Finally, light is, of course, also functional. It helps you to park your car on the right drive, lights your way to the front door and shows you where the keyhole is.

WE ARE IN-LITE

We design, manufacture and sell leading (LED) outdoor lighting based on 12 volt low voltage. Our products are available in various countries in Europe and North America.

in-lite is a young and innovative company with its own vision of light. We believe that the installation of outdoor lighting is mainly about the light and the effects that you can achieve with it. We take pleasure in showing you what light can do.



SEE WHAT LIGHT CAN DO

To inspire you we have selected three different illuminated gardens. We use the atmospheric moods to show you which products are used. We use 4 product groups that represent the lighting arrangements: Integrated (groundspots), Solitary (upright fixtures), Wall (wall lamps) and Spot (outdoor spotlights). In addition, these products are divided into 3 light sizes: **S**mall, **M**edium and **L**arge. For more information on these terms, see page 32 under 'The right light in 5 steps'.

Inspiration gardens GARDEN 1

A pergola has been constructed in this garden with a patio and a pond, and a colonnade has been constructed across the garden path. This special garden element offers a view through to the small orchard with a second patio.



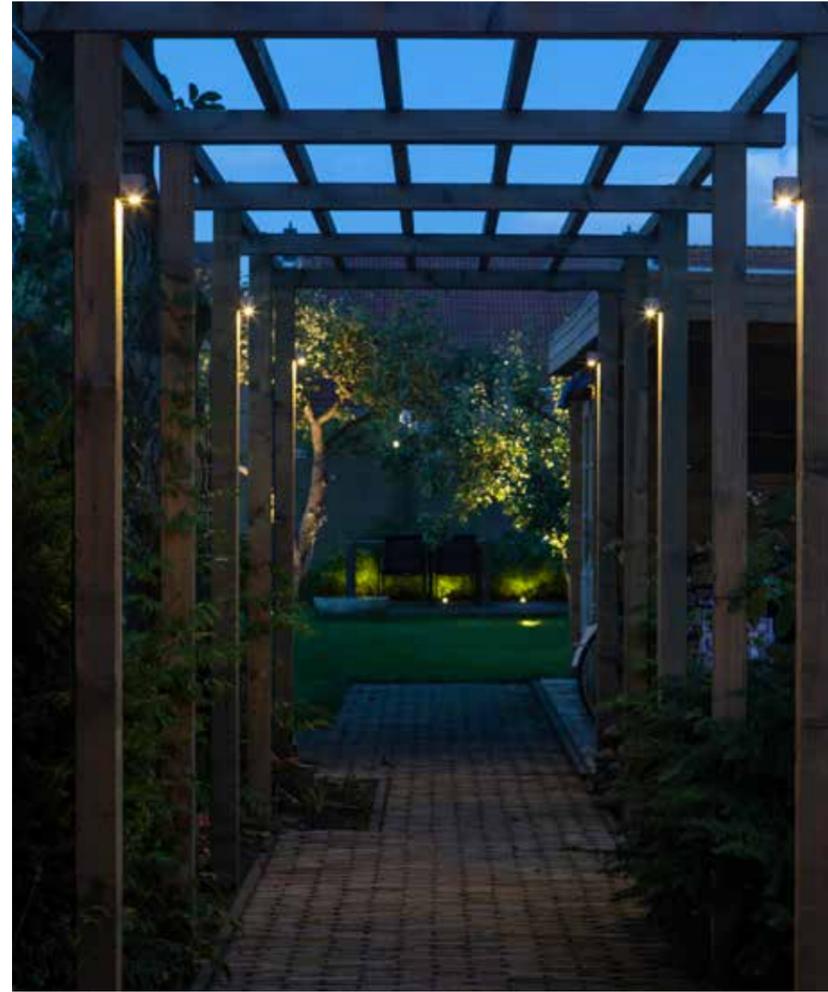
WALL
CUBID



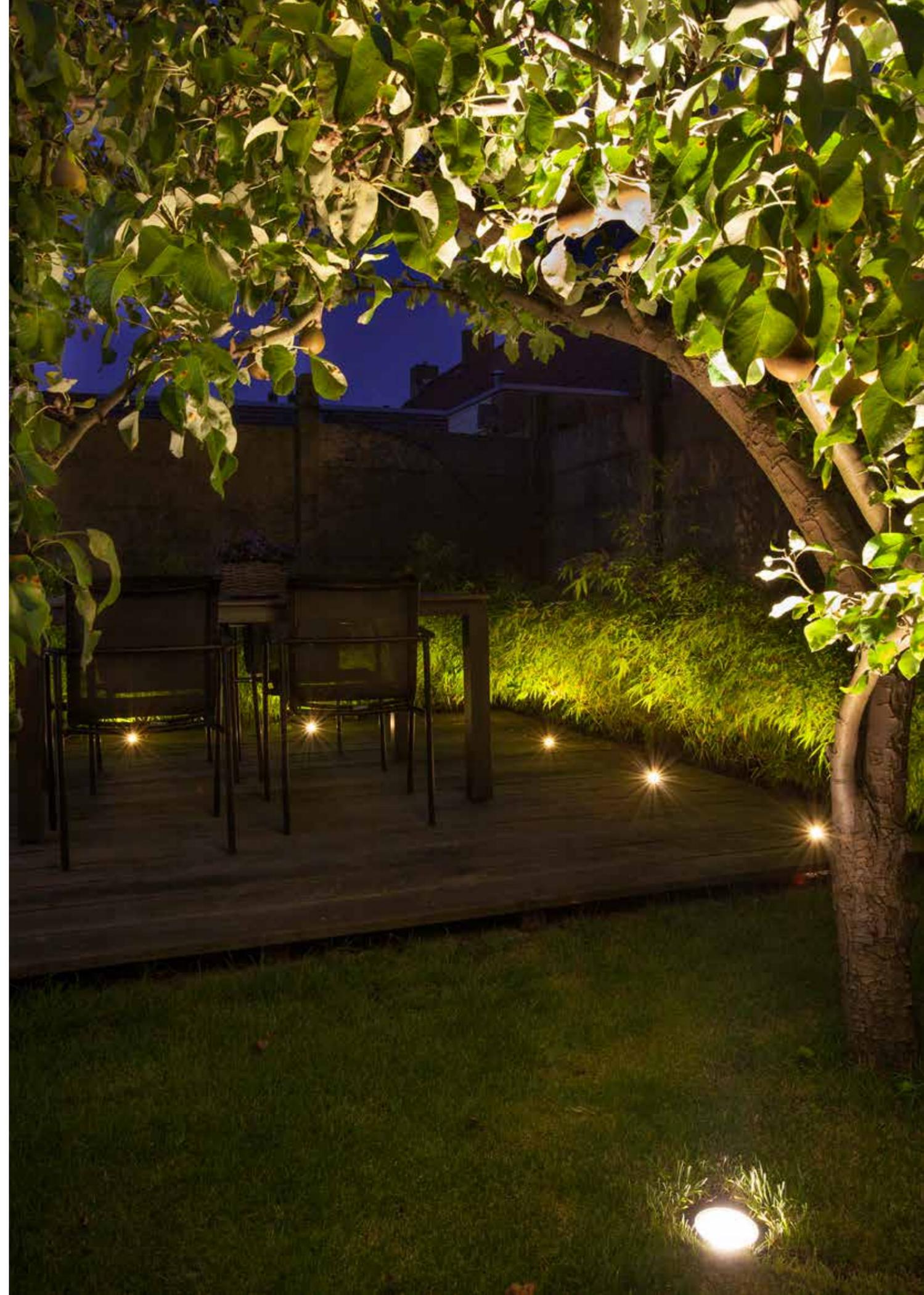
INTEGRATED
NERO

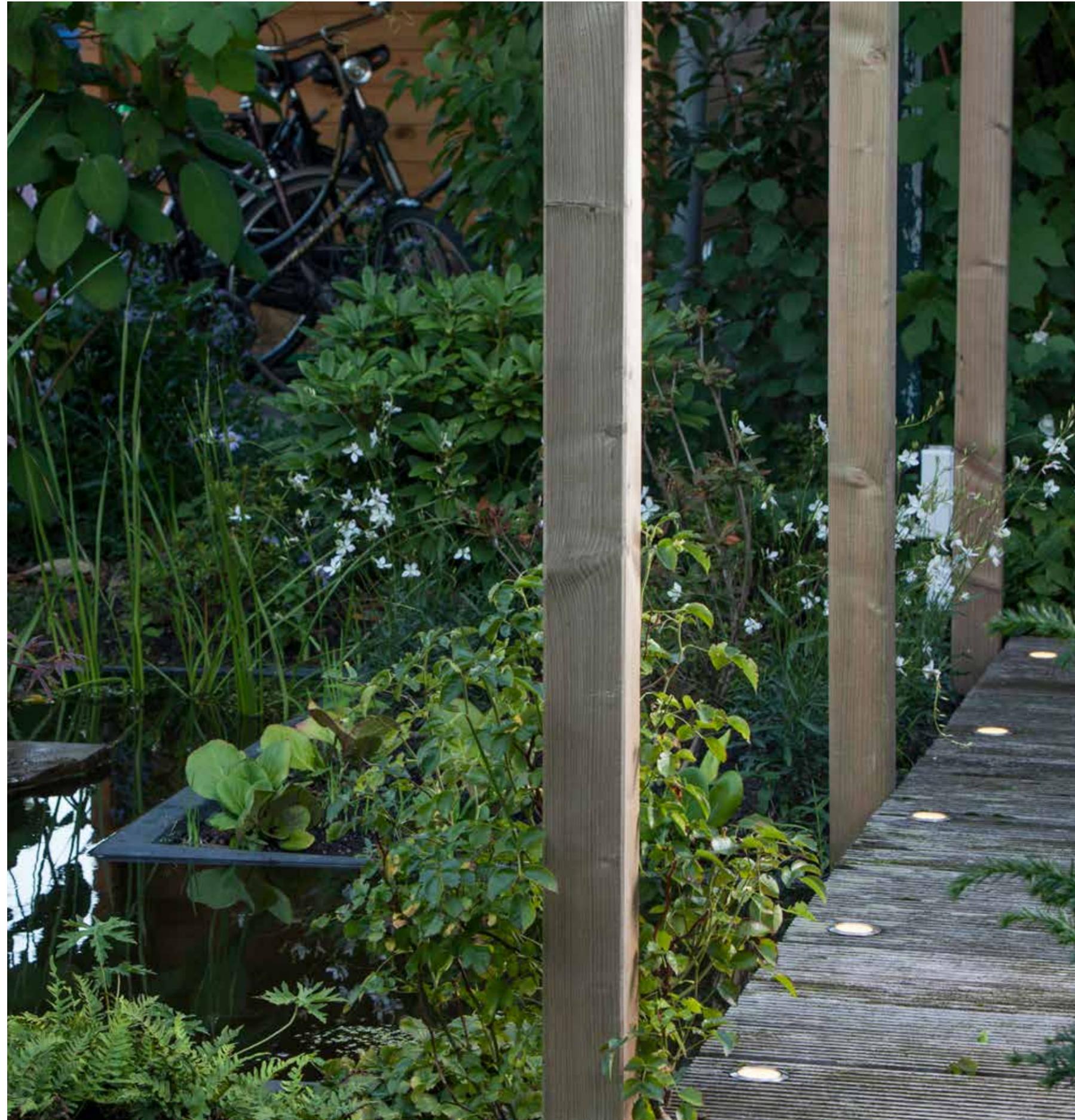


INTEGRATED
DB-LED (WW)



The colonnade connects the two segments of the garden. A repeating CUBID wall-mounted fixture has been installed on both sides. This further accentuates the height and depth of this element. The fruit trees in the orchard are illuminated from the ground. The NERO LED spotlight has been embedded in the grass and emits a beam of warm white light that reaches as far as 5 meters. The bamboo hedge around the patio with decking boards is accentuated by the DB LED: subtle light points with a reach of about a meter.





INTEGRATED
HYVE



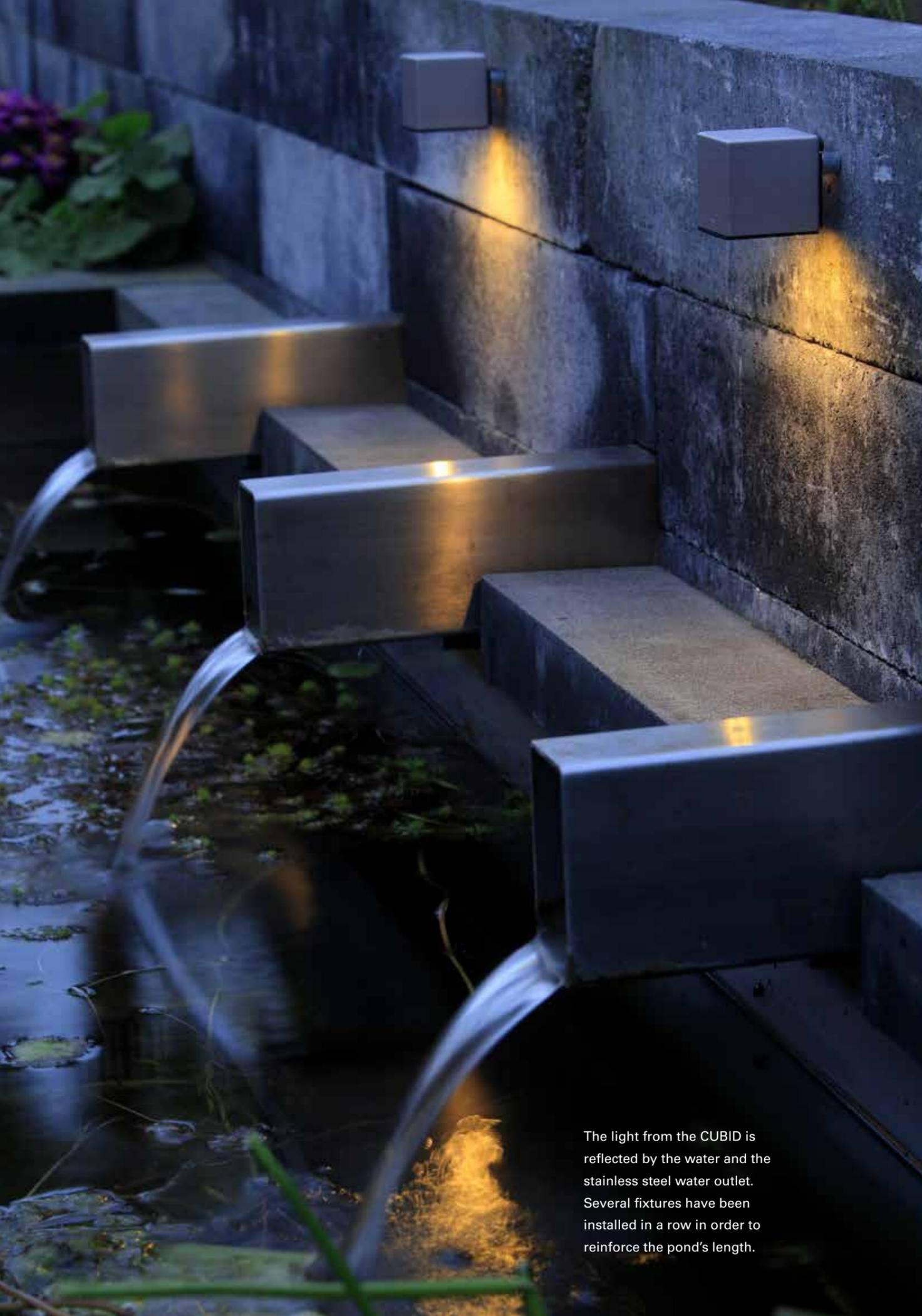
ACCESSORIES
PLATE 75

A HYVE groundspot has been embedded into the small bridge across the pond. While this marks the walking path, it does not blind. Anyone who likes angular shapes, can install the HYVE in the separately available square stainless steel covering plate, PLATE 75.



Inspiration gardens
GARDEN
2

This garden is narrow and fairly long: about 5 meters by 18 meters. The lighting accentuates its length. In addition, a number of elements are spotlighted such as the pond and the ornamental tree. Because the garden is bordered on both sides by a fence, there is only one sightline from the house, namely from the living room to the rear of the garden.



The light from the CUBID is reflected by the water and the stainless steel water outlet. Several fixtures have been installed in a row in order to reinforce the pond's length.



WALL
CUBID

(S)



WALL
BLINK

(M)

The BLINK wall lamp has been mounted on the wall at eye-level as a result of which the fixture lights up the beech hedge, as well as spotlighting the adjacent path.





SOLITARY
LIV

(M)



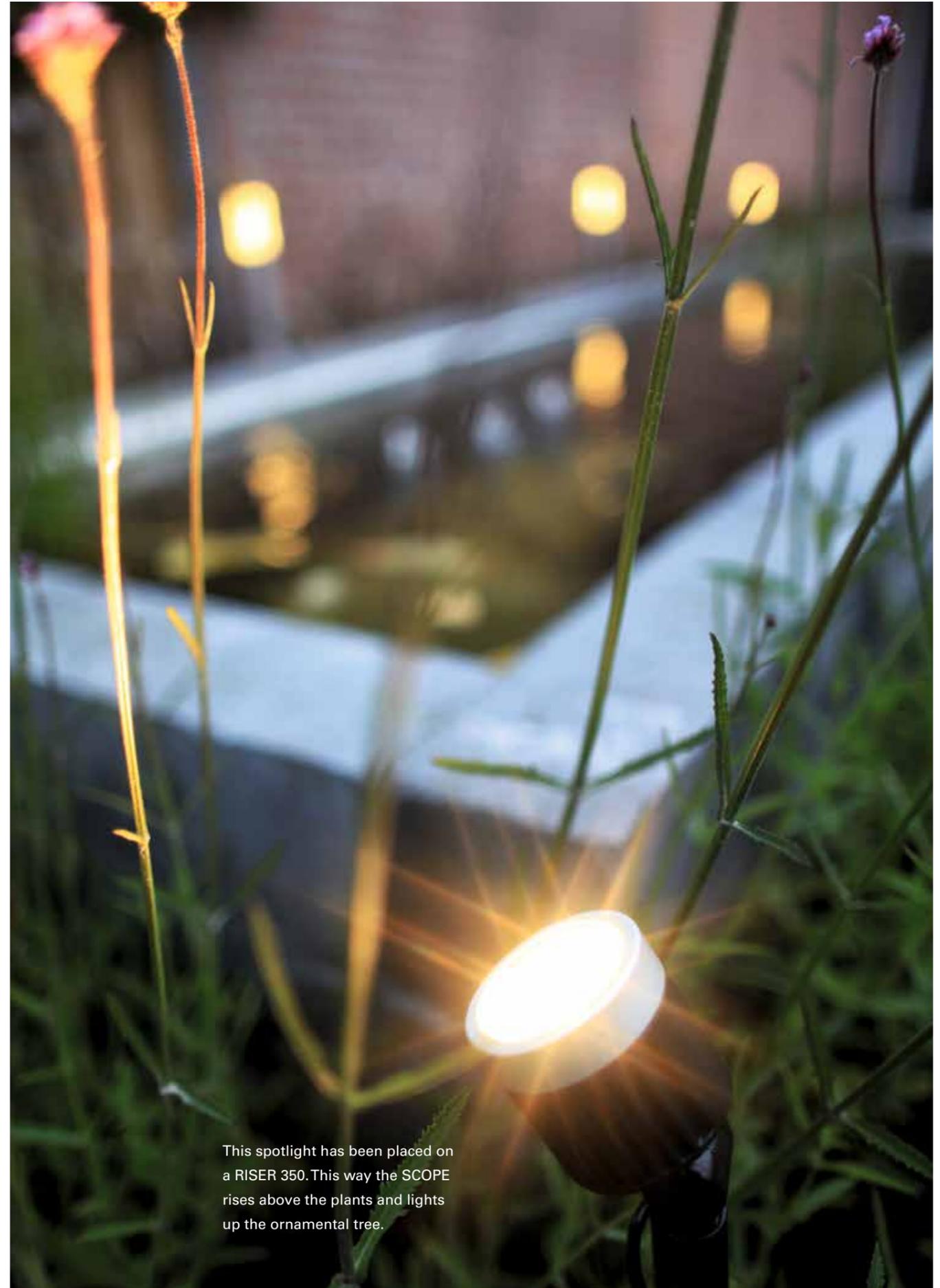
SPOT
SCOPE

(L)



ACCESSORIES
RISER 350

During the day, the LIV fixture forms an integral whole with the half-height border and at night the ornamental grasses sway in the light.



This spotlight has been placed on a RISER 350. This way the SCOPE rises above the plants and lights up the ornamental tree.



Inspiration gardens
GARDEN
3

This back-garden borders on the water and is constructed in different layers designed to create a playful effect. The garden contains a large pond, borders at different levels and a spacious patio. The trellises create greater privacy; they break up the view of the garden from the front of the house.



INTEGRATED
FLUX

(M)



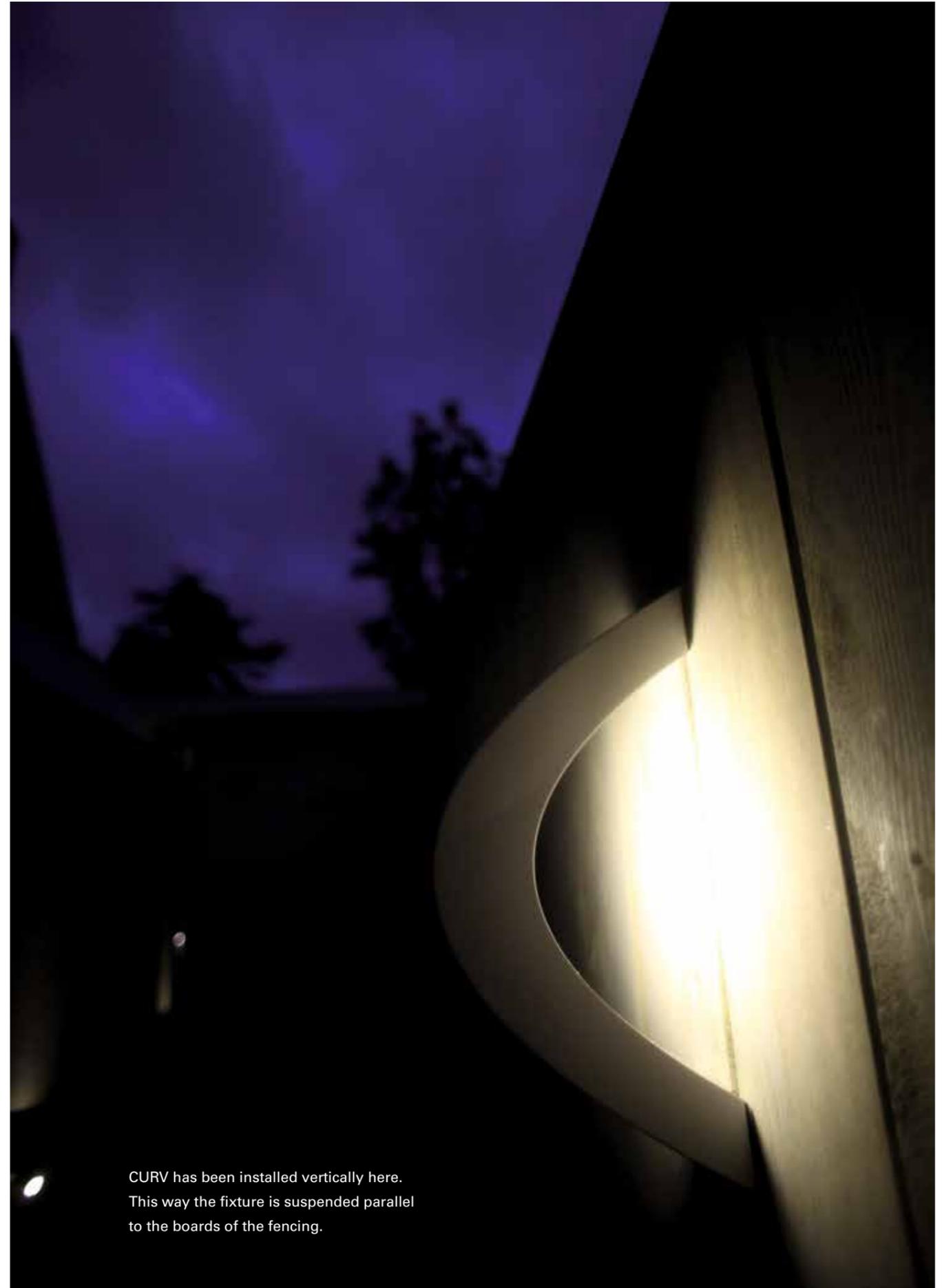
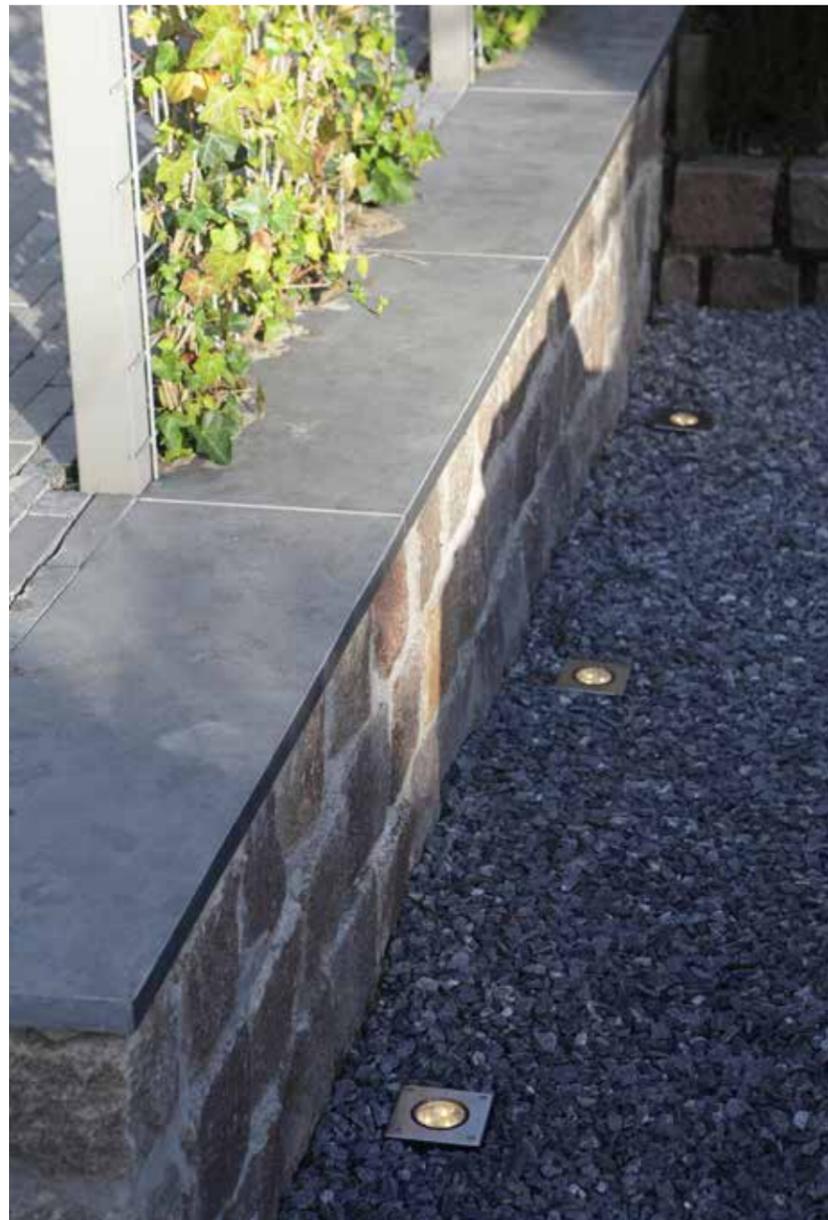
ACCESSORIES
BOX 100



WALL
CURV

(S)

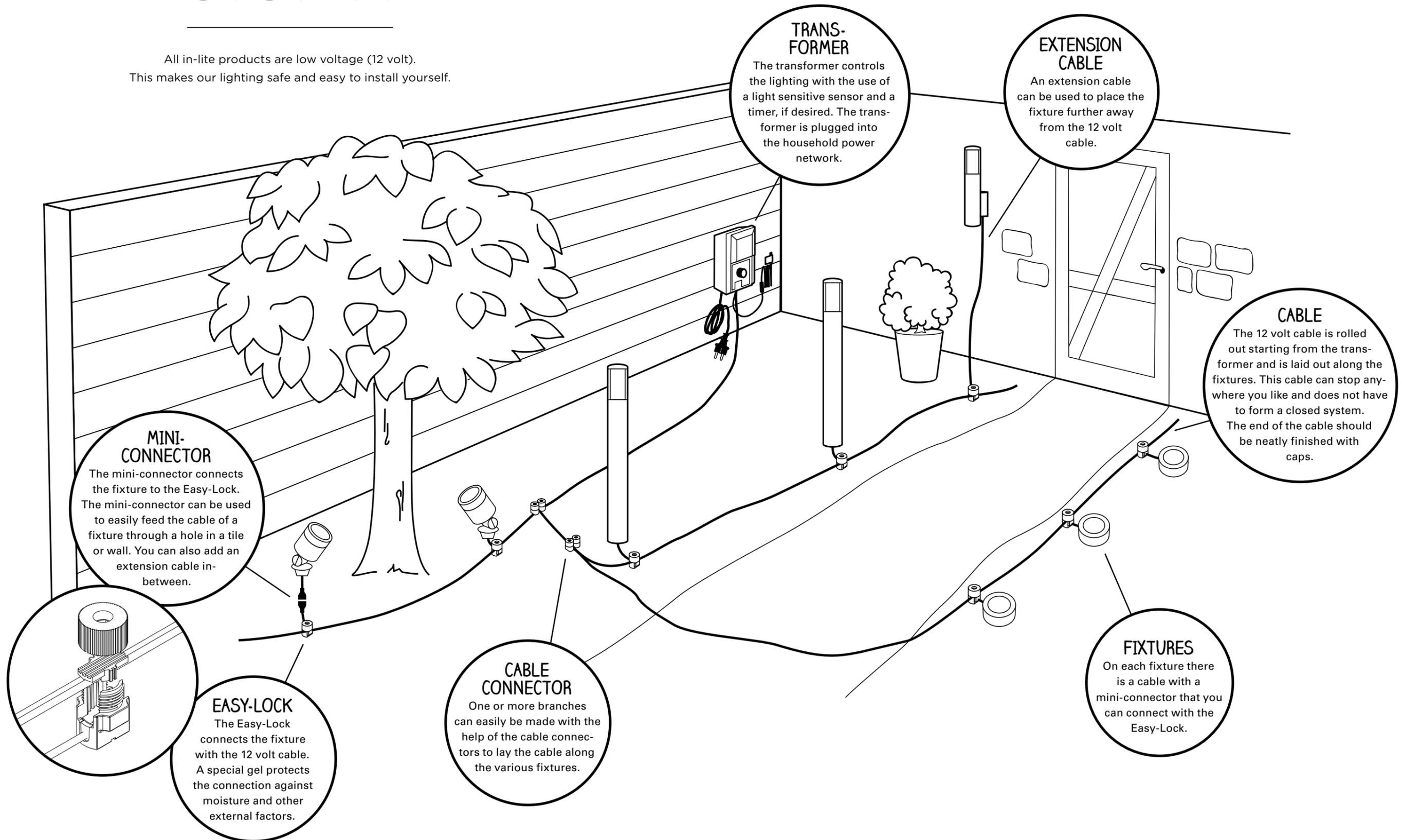
The small half-height wall along the lowered seating area is lit up by FLUX in a BOX 100. This 100 x 100 mm box makes it easy to embed the HYVE, FUSION and FLUX groundspots into loose ground, such as gravel.



CURV has been installed vertically here. This way the fixture is suspended parallel to the boards of the fencing.

HET 12 V IN-LITE SYSTEM

All in-lite products are low voltage (12 volt).
This makes our lighting safe and easy to install yourself.

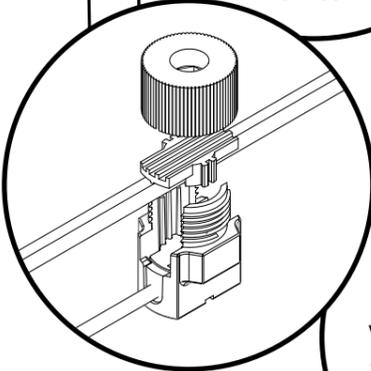


TRANS-FORMER
The transformer controls the lighting with the use of a light sensitive sensor and a timer, if desired. The transformer is plugged into the household power network.

EXTENSION CABLE
An extension cable can be used to place the fixture further away from the 12 volt cable.

CABLE
The 12 volt cable is rolled out starting from the transformer and is laid out along the fixtures. This cable can stop anywhere you like and does not have to form a closed system. The end of the cable should be neatly finished with caps.

MINI-CONNECTOR
The mini-connector connects the fixture to the Easy-Lock. The mini-connector can be used to easily feed the cable of a fixture through a hole in a tile or wall. You can also add an extension cable in-between.



EASY-LOCK
The Easy-Lock connects the fixture with the 12 volt cable. A special gel protects the connection against moisture and other external factors.

CABLE CONNECTOR
One or more branches can easily be made with the help of the cable connectors to lay the cable along the various fixtures.

FIXTURES
On each fixture there is a cable with a mini-connector that you can connect with the Easy-Lock.

INSTALLING IN-LITE YOURSELF

You can have a gardener install the lighting in your garden or you can do it yourself. Our system can be installed in just 3 easy steps:

STEP 1 INSTALL THE TRANSFORMER

The transformer controls the lighting and must have sufficient capacity. This can be easily determined by adding up the power ratings (watts) of all of the fixtures in your lighting plan.

The transformer can be attached to a wall or a pole. You simply connect the 12 volt cable to the transformer using the two cable lugs supplied with the system. Next, you should preferably set the transformer to the desired number of burning hours (timer), in combination with the light sensor. This way the lighting only burns from sundown for the number of hours set; this saves energy.

STEP 2 LAYING THE CABLE

The low-voltage cable conducts the current and ensures that the fixtures are lit. Laying the in-lite cable is easy: you roll it into the garden starting from the transformer.

Always prepare a cable plan before you install the lighting. There are two options: you can route the cable directly from the transformer along the fixtures (linear cable plan) or you can create branches using cable connectors (split cable plan). Always stick to the maximum linear cable length to ensure optimal light output. The 14/2 cable can be used to install 40 linear meters.

STEP 3 CONNECTING THE LIGHTING

The in-lite Easy-Lock and the mini-connector are used to connect the in-lite lighting to the low-voltage cable. When you connect our fixtures be sure to always follow the instructions in the manual and always test in-lite aboveground before you install it.

Always ensure that the system's components are accessible and stay that way. This applies to fixtures, transformers, Easy-Locks, cable connectors (CC-2) and the mini-connector. For integrated in-lite lighting the preference is for you to place the Easy-Lock directly below the hole in the sand bed.

Special extension cables are available that allow you to place the fixture further away from the low-voltage cable and to always have sufficient fixture cable length left over.

TIP

Always ensure that the system's components are accessible and stay that way.



TIP

Never combine in-lite lighting with components produced by other manufacturers. LED electronics are sensitive to failures within the system.



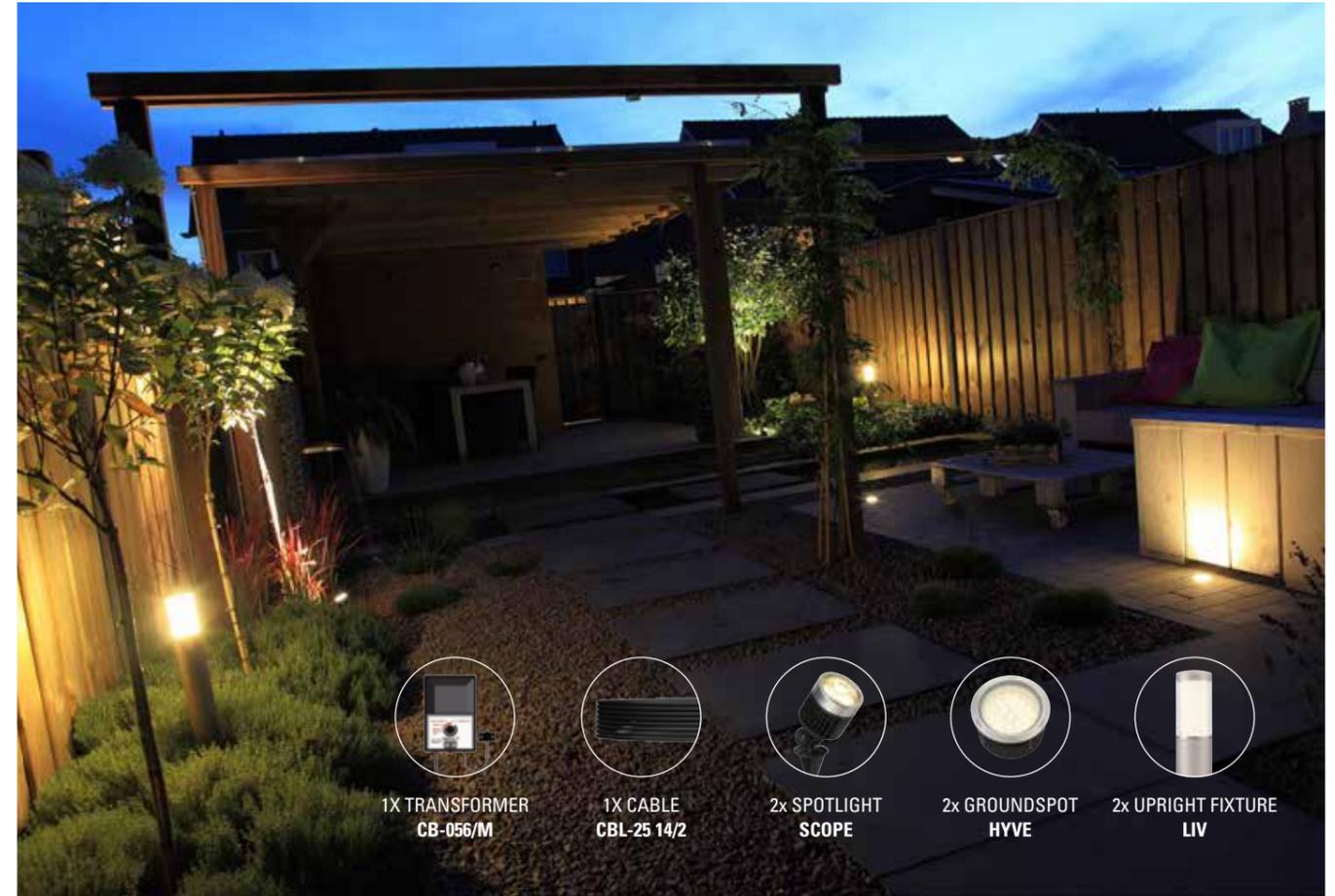
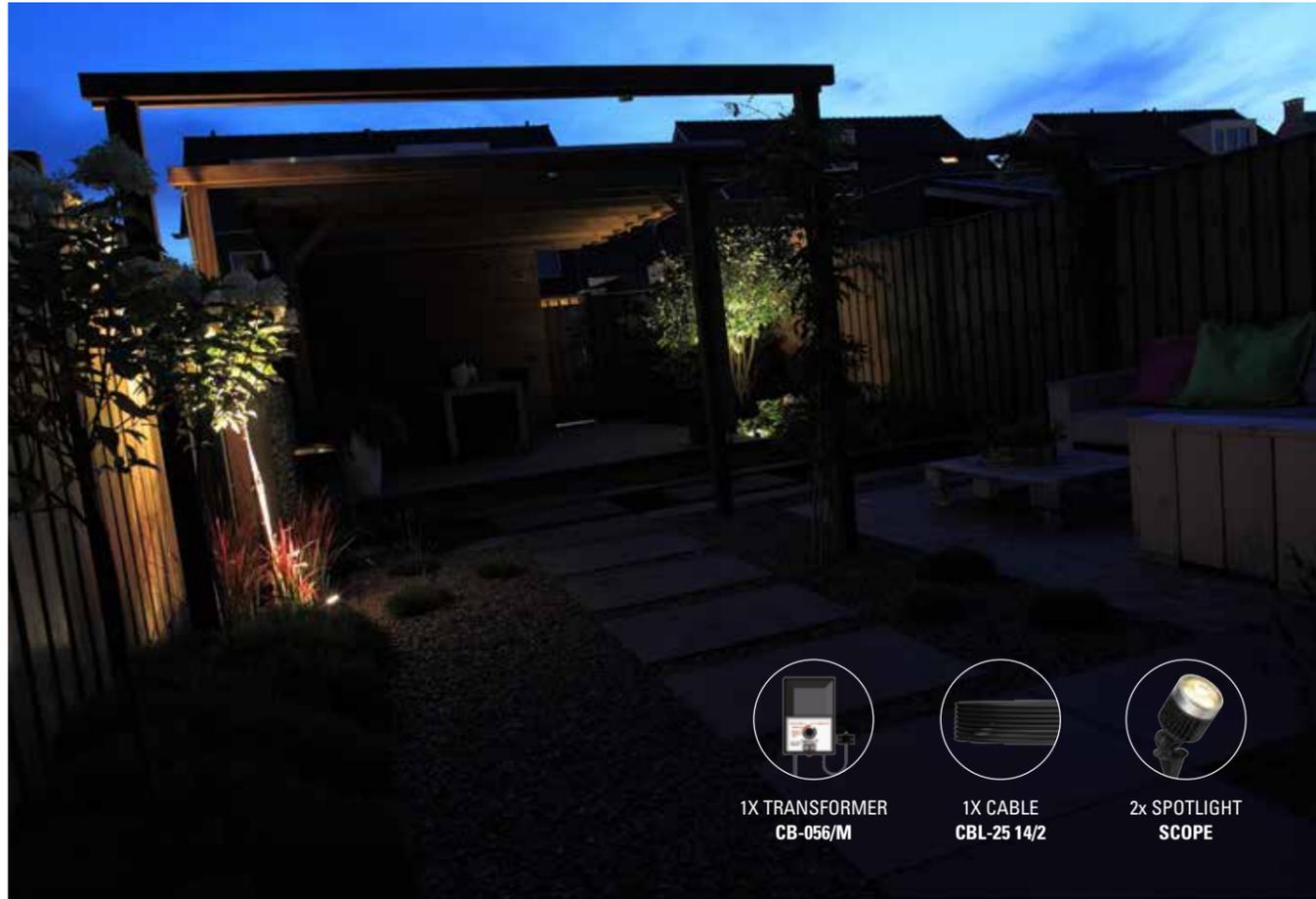
If you are planning to install the system yourself, visit our website www.in-lite.com first for detailed information about the installation of our products. The site also contains our manuals.





SEE WHAT LIGHT CAN DO

We believe that every garden should be illuminated. With our LED outdoor lighting product range you can illuminate your entire garden. The degree of lighting you decide to install naturally depends on your taste and budget. In addition, you can of course decide to start off small and expand your lighting at a later stage. In the following sample garden we illustrate what more or less lighting does for a garden.





LIGHT BALANCE

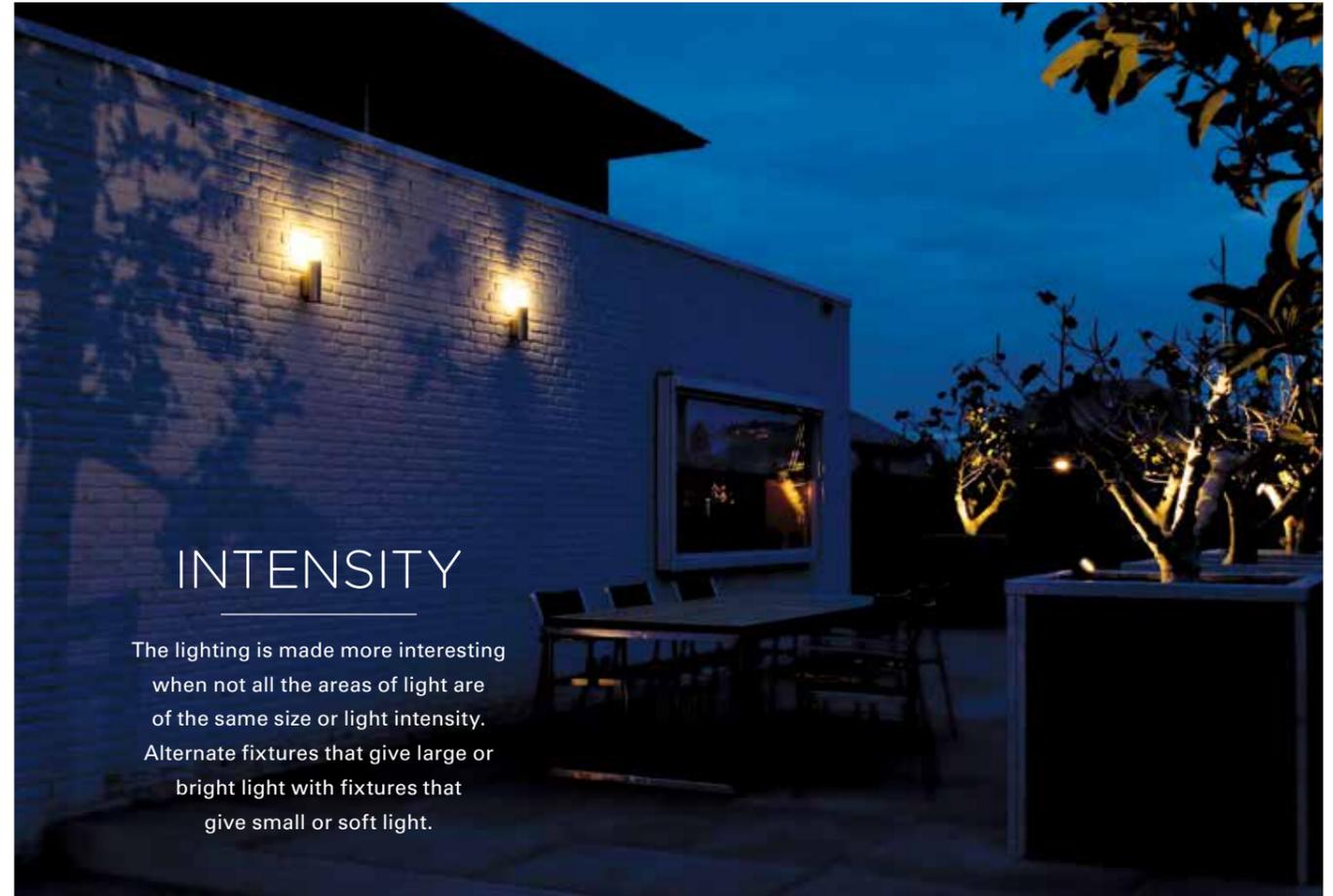
For a beautifully illuminated garden you must first prepare a lighting plan (see page 32).
But what makes your lighting plan successful? How can you present your garden in
the best light in the evenings?

The answer is: **light balance.**
in-lite distinguishes 4 criteria for a good light balance in the garden.



SIGHTLINES

Think about from where you want to look at the garden in the evening. For example, from your living room or patio. These are the sightlines that you must consider when making your lighting plan.



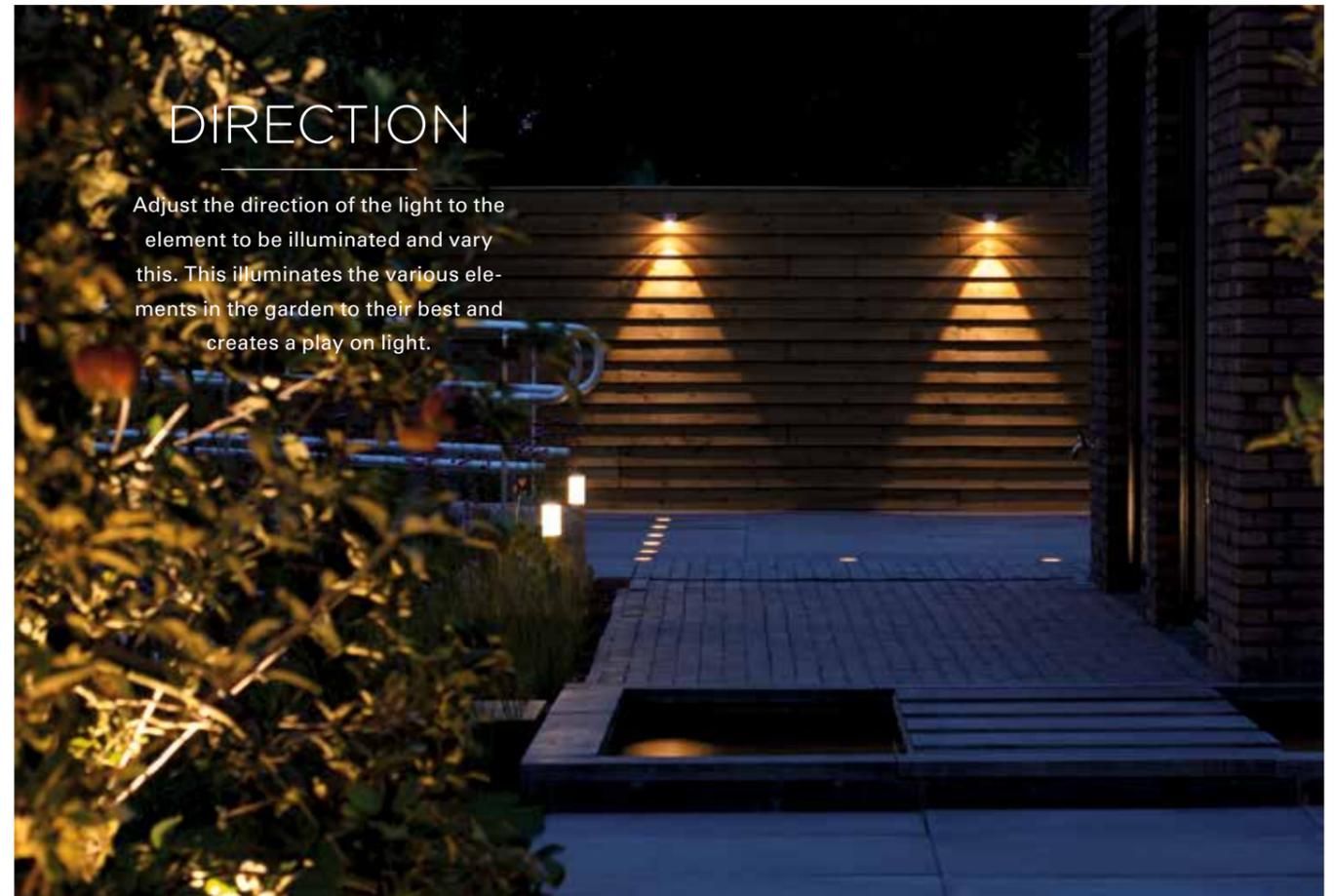
INTENSITY

The lighting is made more interesting when not all the areas of light are of the same size or light intensity. Alternate fixtures that give large or bright light with fixtures that give small or soft light.



CONTRAST

Create dark places in the garden. This way the illuminated places will stand out. The effect is lost if you illuminate the whole garden.



DIRECTION

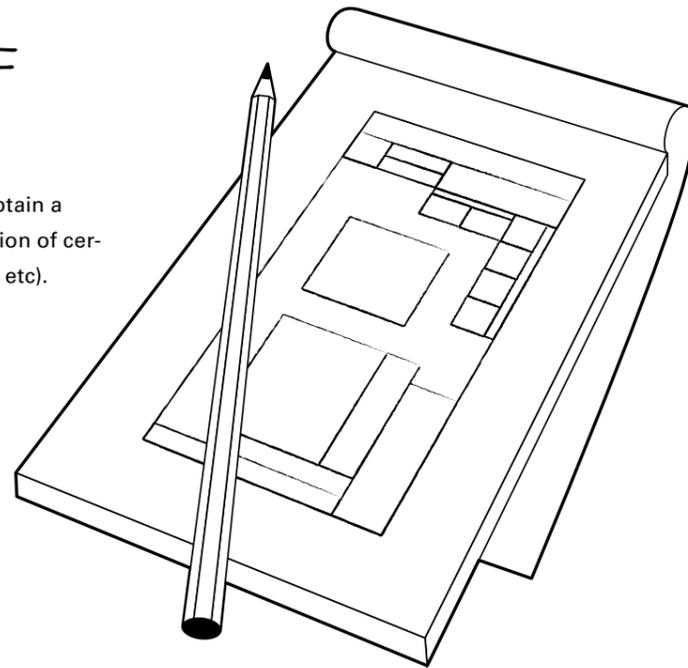
Adjust the direction of the light to the element to be illuminated and vary this. This illuminates the various elements in the garden to their best and creates a play on light.

THE RIGHT LIGHT IN 5 STEPS

STEP 1

MAKE A SKETCH OF THE GARDEN

Draw the garden to scale in order to obtain a good overview. Also indicate the location of certain elements (table, pond, tree, steps, etc).



STEP 2

FIGURE OUT WHICH ELEMENTS YOU WANT TO LIGHT UP

What do you consider important to be seen during the evening? Don't just consider elements such as steps or a patio, but also nice corners or exceptional shapes that look better when illuminated.



STEP 3

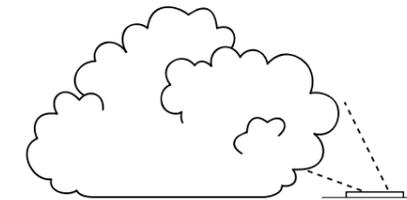
DETERMINE THE LIGHT SIZE FOR EACH ELEMENT

in-lite has divided light into three 'sizes': Small, Medium and Large. These stand for light intensity and reach. With Small light you can outline a patio or a border, whilst Large light is ideal for illuminating a large tree or an exterior wall.



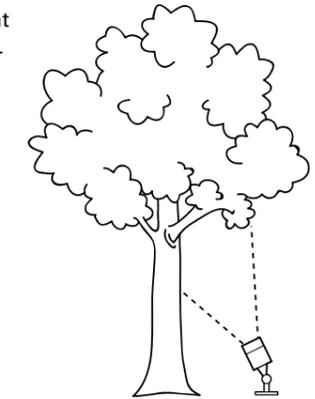
SMALL

- Low intensity
- Reach up to 1.5 m
- Drives, patios, pond edges, steps, etc



MEDIUM

- Medium intensity
- Reach 1.5 m to 3 m
- Statues, shrubs, small trees, garden walls, etc

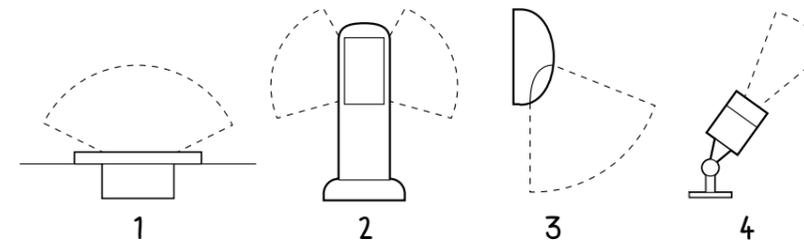


LARGE

- High intensity
- Reach more than 3 m
- Exterior walls, large statues, shrubs, trees, etc

STEP 4

SELECT THE DIRECTION OF THE LIGHT

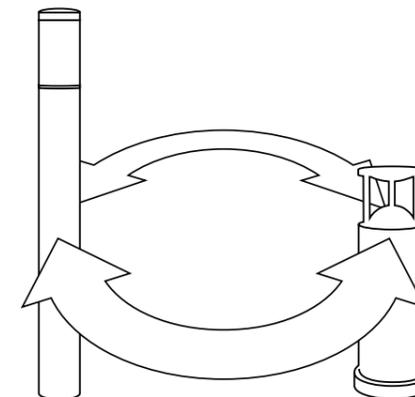


Integrated lighting (1) shines from within the ground. Aboveground fixtures (2) light the area all around them. Wall lighting (3) can shine all round as well as project down, while the light from spotlights (4) comes from below. Align the direction of the light with the element you want to illuminate.

STEP 5

CHOOSE A FIXTURE

After the light size and the desired product group have been selected, choose the fixture. The external appearance plays a key role in this respect; however, also take particular note of the type of lamp (LED, halogen or the traditional bulb) and the light's color (warm or cool light).



HIGHLIGHTED

GROUNDSPOT TRIO

These three groundspots give you all the flexibility you need: whether you are looking for a soft glow (FUSION), high non-blinding light output (HYVE) or a beam of light that projects up to 3 meters (FLUX). These groundspots are supplied with a stainless steel ring that rests on the surface as a standard feature. If you prefer angular shapes, a square covering plate, PLATE 75, is also available. Furthermore, with the BOX 100 it is also possible to embed these spotlights between tiles or into loose ground such as gravel.



OUTDOOR LED SPOTLIGHTS

Our LED spotlights can be used to illuminate larger and high objects with atmospheric light. Both SCOPE and BIG SCOPE have a 5-meter light reach. However, they differ in terms of the light's angle. While SCOPE projects a directed light beam, BIG SCOPE projects a more spread out beam of light. It can therefore be used to illuminate a larger surface.





in-lite[®]

in-lite design bv
P.O. Box 12
2964 ZG Groot-Ammers
The Netherlands
www.in-lite.com