



# DESIGN COLLECTION

12 VOLT OUTDOOR LIGHTING



GardenLights 



# THE NEXT GENERATION BY INNOVATION

Besides the existing 12 volt lighting concept Garden Lights, Techmar BV brings a design collection on the market. It is specially developed for the gardener who wants to design his garden in a functional way with Design lighting. This collection offers design in both form and light. The Design Collection is supplied without a light source, which must be purchased separately. There are two choices - LED or halogen. We recommend the use of LED light sources for the entire Design Collection.

The Garden Lights system is designed to illuminate your garden in a safe and easy way. The safety and simplicity of this system enables everyone to connect the lighting themselves without the need of a qualified electrician.

[www.gardenlights.nl](http://www.gardenlights.nl)

## SYSTEM

The entire system, from transformer to light fixture, is equipped with screw connectors so that no tools are necessary during installation. For the assembly of the lamps themselves, a screwdriver may be needed. Because there is no digging necessary for the installation process, Garden Lights are also entirely suitable to install in existing gardens.

The Design Collection of Garden Lights works according to the same principle as the Garden Lights 12 volt system. Installation of the lights is performed using the same accessories (cables, transformers, etc.) as Garden Lights. Information about this system can be found in the standard Garden Lights brochure or via [www.gardenlights.nl](http://www.gardenlights.nl)

## PLUG & PLAY

Plug and Play means that the light system can be built by everyone in a safe and quick way without making use of an electrician. Each lamp has a cable with a plug that fits the screw connectors of the main cable. All cables and transformers are equipped with these simple, waterproof screw connectors as well.

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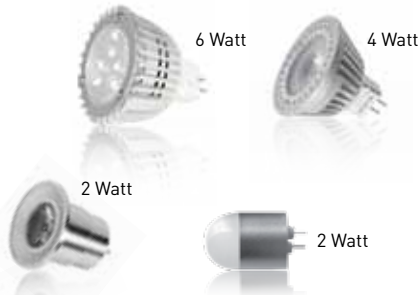
*Garden  
Lights*



LIGHTSOURCE  
NOT INCLUDED

## LAMPS

The fixtures of Garden Lights Design Collection are supplied without a light source. You will need to choose a light source yourself. In the brochure and on the packaging in the product information you will find an LED light source that we recommend as an alternative to halogen.



LED LIGHT SOURCES  
**LUXECO**

# LED'S SAVE ENERGY

Garden Lights recommends LED because of their energy efficient nature, resulting in an overall lower need of energy for the entire system, which makes it possible to use a transformer with lower wattage. The LED light sources are more expensive up-front, but consume 80% less energy than traditional lights and last 8 times longer. The total cost of LED light sources, including initial purchase and average energy use (6 hours per day), is lower when compared to traditional lights. The recessed spotlights have been fitted with an LED light source, which are assembled in a 100% waterproof case.



Example:



Recommended light source    Alternative light source

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# ELAN

The Elan is a sleek lamp with clear lines which combine functionality and appearance perfectly. Making it ideal, for example, for lighting a walking path.

12 VOLT

PLUG & PLAY



# NANO



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The Nano is a compact spot with a technical look and has a surprisingly high light output. As a result of the unique rotation system, this spot is adjustable and provides a new appearance with each position. The Nano can be used as a source of light on a wall surface as well as on the ground.





# ETU



The Etu is the smaller relative of the Elan in form and style. This model, with moving spot, can be both mounted on the ground and to the wall.

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# FLO

Flo is inspired by the natural shape of a poppy flower. The head can be adjusted to obtain the correct lighting effect without affecting the natural shape. In every adjusted position this model keeps its attractive appearance. The stainless steel hinge provides for a high quality look.



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# SPRIG



The Sprig fits in with natural forms, inspired by the underwater world. Placing the lamps next to each other creates an image of different shapes. The Sprig fits extremely well when placed on a patio, along a path, but also as part of the garden.

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# BENA



Drill hole:  $\varnothing$  30 mm

The recessed spotlight models Bena, Doba and Mika are distinguished by the technical details of the stainless steel cover rings and the appearance of the brilliant LEDs. The transparent enclosure combined with the bright LEDs and the stainless steel rings are reminiscent of clear crystals.

The stainless steel cover rings need to be selected/purchased separately from the LED fixture.

  
**IP68** = suitable for underwater use (0.5m)

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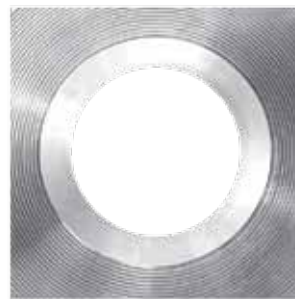
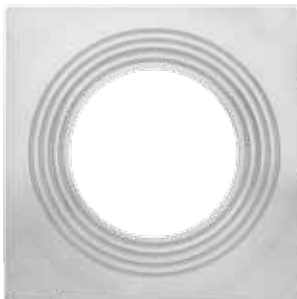
**PLUG & PLAY**



# DOBA



Drill hole:  $\varnothing$  60 mm



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# MIKA



Drillhole:  $\varnothing$  90 mm

The stainless steel cover rings need to be selected/purchased separately from the LED fixture.



**IP68** = suitable for underwater use (0.5m)

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## Elan

3127191

Material: Aluminum  
Colour: Anthracite  
Dimension: 705 x 165 mm (HxW)  
Cable: 2 meter rubber cable with plug

### Light source

Recommended: MR16 Power LED warm white  
12V 6W GU5.3  
Article number: 6157011  
Alternative: Halogen MR16  
12V 20W GU5.3  
Article number: 6049101

### Mounting materials

Base  Spike  Wall



## Etu

3128191

Material: Aluminum  
Colour: Anthracite  
Dimension: 155 x 95 mm (HxW)  
Cable: 3 meter synthetic cable with plug

### Light source

Recommended: MR16 Power LED warm white  
12V 4W GU5.3  
Article number: 6096101  
Alternative: Halogen MR16  
12V 10W GU5.3  
Article number: 6037101

### Mounting materials

Base  Spike  Wall



## Nano

3129191

Material: Aluminum  
Colour: Anthracite  
Dimension: 105 x 85 mm (HxW)  
Cable: 3 meter synthetic cable with plug

### Light source

Recommended: MR11 Power LED warm white  
12V 2W G5.3  
Article number: 6158011  
Alternative: Halogen MR11  
12V 10W G4  
Article number: 6001101

### Mounting materials

Base  Spike  Wall



## Flo

3130191

Material: Aluminum  
Colour: Anthracite  
Dimension: 500 x 60 mm (HxW)  
Cable: 2 meter synthetic cable with plug

### Light source

Recommended: MR16 Power LED warm white  
12V 4W GU5.3  
Article number: 6096101  
Alternative: Halogen MR16  
12V 10W GU5.3  
Article number: 6037101

### Mounting materials

Base  Spike  Wall



## Flo

3131151

Material: Aluminum  
Colour: White  
Dimension: 500 x 60 mm (HxW)  
Cable: 2 meter synthetic cable with plug

### Light source

Recommended: MR16 Power LED warm white  
12V 4W GU5.3  
Article number: 6096101  
Alternative: Halogen MR16  
12V 10W GU5.3  
Article number: 6037101

### Mounting materials

Base  Spike  Wall



## Sprig

3575591

Material: Poly resin  
Colour: White  
Dimension: 320 x 190 mm (HxW)  
Cable: 2 meter rubber cable with plug

### Light source

Recommended: Power LED warm white  
12V 2W G5.3  
Article number: 6159011  
Alternative: Halogen MR16  
12V 20W GU5.3  
Article number: 6049101

### Mounting materials

Base  Spike  Wall



## Sprig

3574581

Material: Poly resin  
Colour: Brown  
Dimension: 320 x 190 mm (HxW)  
Cable: 2 meter rubber cable with plug

### Light source

Recommended: Power LED warm white  
12V 2W G5.3  
Article number: 6159011  
Alternative: Halogen MR16  
12V 20W GU5.3  
Article number: 6049101

### Mounting materials

Base  Spike  Wall



## Bena

4086601

Material: Plastic  
Colour: Transparent  
Dimension: 40 x 29,5 mm (HxØ)  
Cable: 2 meter rubber cable with plug  
Light source: SMD LED 6x warm white 2700K 12V 0,5W  
Glass: 2 pieces (clear and frosted)  
Drill hole: 30 mm



## Doba

4087601

Material: Plastic  
Colour: Transparent  
Dimension: 40 x 57 mm (HxØ)  
Cable: 2 meter rubber cable with plug  
Light source: SMD LED 12x warm white 2700K 12V 1W  
Glass: 2 pieces (clear and frosted)  
Drill hole: 60 mm

All recessed spotlights  
are fitted with spring clips.

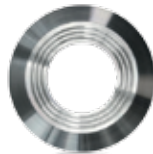
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PLUG & PLAY



IP68

= suitable for underwater use (0.5m)



## Bena R1

4082601

Material: SS 316  
Dimension: ø 45 mm



## Doba R1

4080601

Material: SS 316  
Dimension: ø 75 mm



## Doba R2

4075601

Material: SS 316  
Dimension: ø 75 mm



## Doba R4

4081601

Material: SS 316  
Dimension: 75 x 75 mm (LxW)



## Mika

4088601

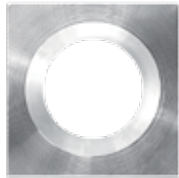
Material: Plastic  
Colour: Transparent  
Dimension: 40 x 87 mm (HxØ)  
Cable: 2 meter rubber cable with plug  
Light source: SMD LED 24x warm white 2700K 12V 2W  
Glass: 2 pieces (clear and frosted)  
Drill hole: 90 mm



## Doba R3

4079601

Material: SS 316  
Dimension: ø 75 mm



## Doba R5

4084601

Material: SS 316  
Dimension: 75 x 75 mm (LxB)



## Mika R1

4083601

Material: SS 316  
Dimension: ø 105 mm

A stylized, dark grey leaf-like graphic composed of several overlapping, curved segments, positioned above the brand name.

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