12 Volt Garden Lighting

www.garden-lights.nl
REMOTE CONTROL

Techmar has enhanced its 12 volt lighting range with a unique universal 12 volt remote control with which garden lovers can easily operate their garden lighting.

In total, nine groups can be controlled from a distance. This innovative remote control is user friendly, well designed and fits perfectly in your hand thanks to its ergonomic form. The remote control can also be used for other 12 volt devices.

TIMER

Use the timer/sensor unit to switch your lights on and off automatically. (The security around your house will be improved significantly by using the timer). The timer can be set on a dusk and dawn circuit and also the number of hours can be set.

IN THE PRODUCT INFORMATION PAGE 29 OF THIS BROCHURE YOU WILL FIND MORE INFORMATION ABOUT THE REMOTE CONTROL AND THE TIMER.
12 VOLT – SIMPLE AND SAFE

The Garden Lights range is a single lamp system, designed and developed to design your own lighting plan to lighten up your garden in a safe and simple way.

12 volt (low voltage) is considered to be safe by European guide lines. Improved technology has now allowed 12 volt lighting to provide sufficient light output to illuminate gardens and create ambient and atmospheric light effects.

The safety and simplicity of this lighting system makes it possible for anyone to install this lighting themselves. The complete systems, from transformer to the fitting itself, is manufactured with watertight screw connectors so no tools will be necessary during installation. The assembly of the lamps may require a screwdriver.

Garden Lights is suitable for installation in both existing and new-build or renovated gardens.

OTHER LIGHT SOURCES

Lighting fitted with LED’s can be replaced with 12 volt LED or halogen lamps.

LED TECHNOLOGY

A number of lights within our product range are fitted with LED’s. Before now LED’s (Light Emitting Diodes) only had a limited light output and were therefore only suitable for low level, ambient lighting effects such as car dashboards. They were also only available in a limited number of colours.

New technologies and production techniques have now resulted in LED’s that are more powerful and versatile, making new applications possible. Now you can find them in cellular phones, traffic lights and in the rear brake lights in cars and now you can also find them in our garden lighting.

The big advantages of LED’s are their extremely low energy consumption and the long life (15 x) compared with halogen lamps. An LED is also shock proof, runs far cooler than conventional lamps but can still be changed as easily. (with a few exceptions).

Lighting fitted with our LED’s are extremely well suited for ambient and mood lighting applications.
For you to light up your garden and get the best results we advise you to take the following steps:

1. Choose your lighting within the Garden Lights product range.

2. The total amount of watts of the chosen lighting determines the total amount of watts of the transformer (22, 60, 150 or 300 watt).

3. In case your system needs a 22 or 60 watt transformer it is recommended to start with a main cable 10 meter SPT-1W with 4 connectors, or with 6 meter SPT-1W extension cord or with a cable divider. In case your system requires a 150 or 300 watt transformer you are advised to start with a SPT-3W main cable, or with an extension cable 10 meter SPT-3 or a cable divider.

The location in the garden defines how many extension cables and cable connectors are needed.

Now you can start the installation. Cables do not have to be dug into the ground and can be extended or adapted at any time.

The product range contains a number of different transformers, main cables, extension cables and cable connectors.

Plug and Play

Means simple to install and easy to illuminate. The Garden Lights product range offers you a series of lighting products that can be easily and safely installed by everybody and without an electrician. Each lamp is supplied with 2 metres cable with a watertight screw connector, which fits the connectors to the low voltage main cable. (Our wall lamps are supplied with 3 metres of cable). It won’t get any easier! All cables and transformers are supplied with these easy to use, watertight screw connectors.
You only need a screw driver to install this Plug & Play system.

This simple system can be installed in both existing and new gardens.

**TIPS RECOMMENDATIONS**

- SCREW CONNECTION
  - From low voltage main cable to transformer.

- LED
  - This type of light source is energy saving and is consequently good for the environment and saves money. Many LED light sources within this range can be replaced.

- **SYMBOLS ON PACKAGING**
  - **IP44**
    - approved for outdoor use
  - **IP68**
    - approved for permanent under water use
  - **LED**
    - Light fitting is provided with LED light source
  - **SS 316**
    - Higher quality stainless steel
  - **POWER LED**
    - Light fitting is provided with an extra strong LED light source
  - **ATTENTION**
    - LED lighting source is replaceable by a new LED lighting source, except Axis, Astrum, Lotus, Aqua, Tabula, Decus and Deca.

- **www.garden-lights.nl**

---

This simple system can be installed in both existing and new gardens.

- **It is advisable to put the cables (slightly) under the ground, in order to avoid damage by using garden/tools/machines.**

- **We recommend a maximum distance of 35 meter between transformer and lighting.**

- **Cable damage is not dangerous (12 volt) and can easily be repaired.**

- **It is advisable to put some grease on revolving parts e.g. screws etc. to make it easier to replace a lighting source in due course. It is also recommendable when replacing a light source to clean the complete fixture to ensure that it remains watertight.**

- **The transformer is approved for outdoor use and is protected against all weather circumstances.**

- **By using a timer catn. 6009011 with dusk to dawn sensor you can control the lighting hours.**

- **The total number of wattage of all light fixtures connected may never exceed the maximum capacity of the transformers (total watt).**

- **All plugs are suited for outdoor use an can be placed on or under the ground.**

- **In case optional light sources are applicable, they have been indicated. (both in LED and halogen) the numbers mentioned refer to the light sources on the accessory-page.**

On questions or remarks please contact us: info@garden-lights.nl
APPLICATIONS
THE GARDEN LIGHTS PRODUCT RANGE IS SUITED FOR MANY APPLICATIONS:

SPOTLIGHTS
To light certain details or features in the garden you can choose spotlights. These spotlights can be directed and are available in various models and materials.

UPLIGHTS/ORIENTATION LIGHTING
Another way to illuminate certain features is to apply uplights, fittings which illuminate details from a fixed position. (e.g. from the ground)

POST LIGHTING
Straight standing lighting can be placed along pathways, on lawns and between plants. These models are available with halogen lamps, light bulbs and LED’s.

WALL LIGHTING
Wall lighting is fitted with LED or halogen lightsource. Simple to fix to fences/walls etc.

ATMOSPHERIC LIGHTING
Lighting with LED light sources or halogen lamps for atmospheric lighting in your garden, pathways, trees, and terrace.

UNDER WATER LIGHTING
A number of lighting products in our range are suited for permanent use under water. These models can be recognised by the IP68 logo on the packaging.
These models are fitted with a LED which can be replaced by a halogen lamp.

These models have an exchangeable LED.

These models are fitted with a halogen lamp which can be replaced by an energy saving LED.

Optional light sources can be ordered as accessories.

Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.

Mounting base, ground spike and mounting material included.
These models are fitted with a LED which can be replaced by a halogen lamp.

These models are fitted with a halogen lamp which can be replaced by an energy saving LED.

Mounting base, ground spike and mounting material included.

Optional light sources can be ordered as accessory.

Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.
Sirculus
Material: Plastic
Colour: Anthracite
Dimension: 100 x 250 mm (HxW)
Cable: 10 meter with plug
Light source: Halogen MR11 12V 10W G4
Transformer: 12V 30W outdoor transformer
Suitable for pole thicknesses ø 28-50 mm
Transformer: 12V 30W outdoor transformer
Not available in the UK

Linum
Material: Plastic
Colour: Anthracite
Dimension: 160 x 60 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: LED unit 12x warm white 12V 2W
Optional: 1067101 (LED)

Laurus
Material: Plastic
Colour: Anthracite
Dimension: 365 x 120 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: Wedge bulb 12V 10W T15

Larix
253061
Material: Plastic
Colour: Anthracite
Dimension: 315 x 100 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: Wedge bulb 12V 10W T15

Lumos
307071
Material: Aluminum with plastic
Colour: Rust brown
Dimension: 580 x 230 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: LED cylinder 12x warm white 12V 1W GU5.3
Optional: 607101 (LED)
6016101 (Halogen, max. 20W)

Lumo
3093071
Material: Aluminum with plastic
Colour: Rust brown
Dimension: 200 x 170 mm (HxW)
Cable: 3 meter SPT-1W with plug
Light source: LED cylinder 12x warm white 12V 1W GU5.3
Optional: 607101 (LED)
6016101 (Halogen, max. 20W)

Locos
3072071
Material: Aluminum with glass
Colour: Rust brown
Dimension: 530 x 120 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: LED cylinder 12x warm white 12V 1W GU5.3
Optional: 607101 (LED)
6016101 (Halogen, max. 20W)

Callisto
3094071
Material: Aluminum with glass
Colour: Rust brown
Dimension: 240 x 170 mm (HxW)
Cable: 3 meter SPT-1W with plug
Light source: LED cylinder 12x warm white 12V 1W GU5.3
Optional: 607101 (LED)
6016101 (Halogen, max. 20W)

Mounting base, ground spike and mounting material included
Optional light sources can be ordered as accessories
Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.

These models have an exchangeable LED
These models are fitted with a LED which can be replaced by a halogen lamp
These models are fitted with a halogen lamp which can be replaced by an energy saving LED
These models have an exchangeable LED.

These models are fitted with a LED which can be replaced by a halogen lamp.

These models are fitted with a halogen lamp which can be replaced by an energy saving LED.

Mounting base, ground spike and mounting material included.

Optional light sources can be ordered as accessories.

Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.
**Arigo 4004601**
- **Material:** Stainless steel
- **Colour:** Stainless steel
- **Dimension:** 125 x 90 mm (HxW)
- **Cable:** 2 meter rubbercable with plug
- **Light source:** Halogen MR16 12V 20W GU5.3
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)
- **IP68 (suited for use under water)**

**Focus 3031011**
- **Material:** Aluminum
- **Colour:** Black
- **Dimension:** 180 x 150 mm (HxW)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** Halogen MR16 12V 20W GU5.3
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)

**Lapis 3522441**
- **Material:** Poly resin and stainless steel
- **Colour:** Grey
- **Dimension:** 110 x 145 mm (HxW)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** Halogen MR16 12V 20W GU5.3
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)

**Planu 3525403**
- **Material:** Poly resin and aluminium
- **Colour:** Stone effect white
- **Dimension:** 110 x 145 mm (HxW)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** Halogen MR16 12V 20W GU5.3
- **Transformer:** 12V outdoor transformer 30W
- **Maincable:** 6 meter SPT-2W with extension cables
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)

**Lapis 3522443**
- **Wordt geleverd met:**
  - Transformer: 12V outdoor transformer 30W
  - Maincable: 6 meter SPT-2W with extension cables
- **IP68 (geschikt voor onderwater)**
- **3522443 not available in the UK**

**Dominus 3073051**
- **Material:** Aluminum
- **Colour:** Silver
- **Dimension:** 190 x 135 mm (HxW)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** Halogen MR16 12V 10W GU5.3
- **Transformer:** 12V 30W outdoor transformer
- **Maincable:** 6 meter SPT-1W with extension cables
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)

**Cylon 3536501**
- **Material:** Poly resin
- **Colour:** Granite black
- **Dimension:** 100 x 100 mm (HxW)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** Halogen MR16 12V 20W GU5.3
- **Transformer:** 12V 30W outdoor transformer
- **Maincable:** 6 meter SPT-1W with extension cables
- **Optional:** 6022101 (LED), 6061101 (LED), 6023101 (LED), 6096101 (Power LED)

**Xerus 3540531**
- **Material:** Poly resin with glass
- **Colour:** Stone effect anthracite
- **Dimension:** 140 x 140 x 75 mm (LxWxH)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** LED unit 16x white 12V 2W 1069101 (LED)
- **IP68 (suited for use under water)**

**Exillis 3541531**
- **Material:** Poly resin with glass
- **Colour:** Stone effect anthracite
- **Dimension:** 200 x 100 x 75 mm (LxWxH)
- **Cable:** 2 meter SPT-1W with plug
- **Light source:** LED unit 16x white 12V 2W 1071101 (LED)
- **IP68 (suited for use under water)**

---

1. These models have an exchangeable LED
2. These models are fitted with a LED which can be replaced by a halogen lamp
3. These models are fitted with a halogen lamp which can be replaced by an energy saving LED
4. Mounting base, ground spike and mounting material included
5. Optional light sources can be ordered as accessory

Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.
**Brevus**  
2520601  
- Material: Stainless steel and plastic  
- Colour: Stainless steel  
- Dimension: 52 x 70 mm (HxW)  
- Cable: 2 meter SPT-1W with plug  
- Light source: LED unit 6x white 2V 1W  
- Drill hole: Ø 60 mm  
- Optional: 1066101 (LED)  
- IP68 (suited for use under water)

**Hibria**  
4005601  
- Material: Stainless steel and plastic  
- Colour: Stainless steel  
- Dimension: 110 x 115 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 12x white 12V 2W  
- Drill hole: Ø 90 mm  
- Optional: 1068101 (LED)  
- IP68 (suited for use under water)

**Sirius**  
4039601  
- Material: Stainless steel 316 and plastic  
- Colour: Stainless steel  
- Dimension: 52 x 70 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 6x warm white 2V 1W  
- Drill hole: Ø 60 mm  
- Optional: 1065101 (LED)  
- IP68 (suited for use under water)

**Aureus**  
4041601  
- Material: Stainless steel 316 and plastic  
- Colour: Stainless steel  
- Dimension: 110 x 115 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 12x warm white 12V 2W  
- Drill hole: Ø 90 mm  
- Optional: 1067101 (LED)  
- IP68 (suited for use under water)

**Breva**  
4016601  
- Material: Stainless steel and plastic  
- Colour: Stainless steel  
- Dimension: 70 x 70 mm (HxW)  
- Cable: 2 meter SPT-1W with plug  
- Light source: LED unit 6x white 12V 1W  
- Drill hole: Ø 60 mm  
- Optional: 1066101 (LED)  
- IP68 (suited for use under water)

**Hybra**  
4015601  
- Material: Stainless steel and plastic  
- Colour: Stainless steel  
- Dimension: 115 x 115 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 12x warm white 12V 2W  
- Drill hole: Ø 90 mm  
- Optional: 1067101 (LED)  
- IP68 (suited for use under water)

**Leda**  
4040601  
- Material: Stainless steel 316 and plastic  
- Colour: Stainless steel  
- Dimension: 70 x 70 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 6x warm white 12V 1W  
- Drill hole: Ø 60 mm  
- Optional: 1065101 (LED)  
- IP68 (suited for use under water)

**Elara**  
4042601  
- Material: Stainless steel 316 and plastic  
- Colour: Stainless steel  
- Dimension: 115 x 115 mm (HxW)  
- Cable: 2 meter rubbercable with plug  
- Light source: LED unit 12x warm white 12V 2W  
- Drill hole: Ø 90 mm  
- Optional: 1067101 (LED)  
- IP68 (suited for use under water)

---

1. These models have an exchangeable LED  
2. These models are fitted with a LED which can be replaced by a halogen lamp  
3. These models are fitted with a halogen lamp which can be replaced by an energy saving LED  
4. Mounting base, ground spike and mounting material included  
5. Optional light sources can be ordered as accessory  
   Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.
Astrum
3029601 (white)
3037601 (blue)
Material: Aluminum and stainless steel
Colour: Stainless steel
Dimension: 28 x 40 mm (HxW)
Cable: 2 meter SPT-1W with plugs
Light source: LED 12V 0.3W
Drill hole: Ø 30 mm
IP68 (suitable for use under water)

Alpha
4048601 (warm white)
4059601 (blue)
Material: Stainless steel 316 and plastic
Colour: Stainless steel
Dimension: 42 x 40 mm (HxW)
Cable: 2 meter SPT-1W with plugs
Light source: LED unit 3x 12V 0.5W
Drill hole: Ø 30 mm
IP68 (suitable for use under water)

Umbra
3032601
Material: Aluminum and stainless steel
Colour: Stainless steel
Dimension: 85 x 105 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: Halogen MR16 12V 2W GU5.3
Drill hole: Ø 70 mm
Option:
6022101 (LED)
6061101 (LED)
6023101 (LED)
6096101 (Power LED)

Tabula
8008601
Dimension: 50 x 50 (HxW), hose ø 3/4”
Light source: LED 12x warm white 12V 2W
IP68 (suitable for use under water)

Hortus
3099121
Material: Aluminum
Colour: Gun metal
Dimension: 110 x 180 mm (HxW)
Cable: 2 meter SPT-1W with plug
Light source: Halogen MR16 12V 50W GU5.3
Option:
6022101 (LED)
6061101 (LED)
6023101 (LED)
6096101 (Power LED)

Axis
3038601 (white)
3039601 (blue)
Material: Aluminum and stainless steel
Colour: Stainless steel
Dimension: 28 x 70 mm (HxW)
Cable: 2 meter SPT-1W with plugs
Light source: LED white 12V 0.3W
Drill hole: Ø 25 mm
IP68 (suitable for use under water)

Decus
8002601
Material: Resin
Colour: Transparent
Dimension: 32 x 25 mm (HxW)
Cable: 5 meter rubbercable with plug
Light source: LED 6x warm white 12V 1W

Deca
8004601
Dimension: 45 x 40 mm (HxW)
Light source: LED 12x warm white 12V 2W
IP68 (suitable for use under water)

Aquas
8007601
Material: Stainless steel 316
Colour: Stainless steel
Dimension: 55 x 30 mm (HxW), hose ø 3/4”
Cable: 5 meter SPT-1W with plug
Light source: LED 6x warm white 12V 1W

Tabulas
3050601 (warm white 2W)
Cable: 5 meter cable with 48x LED’s
Extra:
Only in combination with Linea (7501012)
750601 (5 meter extension cable for Linea)
750501 (cable connector with 5 connections for Linea)

Linea
7501012 (warm white 2W)
Material: Plastic
Colour: Black
Dimension: 35 x 5 mm (HxW)
Cable: 8 meter (last 5 meter with 48x LED’s)
Extra:
Controller with 8 different modes

Linea
7503011 (warm white 2W)
Cable: 5 meter cable with 48x LED’s

These models have an exchangeable LED
These models are fitted with a LED which can be replaced by a halogen lamp
These models are fitted with a halogen lamp which can be replaced by an energy saving LED

Optional light sources can be ordered as accessories
Mentioned heights are without ground spike and mounting base. All fixtures are suited for outdoor use.
LED
118101 (MR16 power LED warm wit 12V 2W GU5.3)
6068101 (MR16 Power LED warm white 12V 4W GU5.3)
6012201 (MR16 LED 20x white 12V 2W GU5.3)
6066101 (MR16 LED 20x warm white 12V 2W GU5.3)
6023101 (MR16 LED 20x blue 12V 2W GU5.3)
6072101 (LED cylinder 12x white 12V 1W GU5.3)
6073101 (LED cylinder 12x warm white 12V 1W GU5.3)
6043101 (LED warm white 12V 1W G4)
6044101 (LED flame effect 12V 1W G4)

LED units
1170101 (LED unit 6x blue 12V 1W GU5.3)
1061101 (LED unit 6x white 12V 1W GU5.3)
1066101 (LED unit 6x warm white 12V 1W GU5.3)
1067101 (LED unit 12x white 12V 2W GU5.3)
1068101 (LED unit 12x warm white 12V 2W GU5.3)
1069101 (LED unit 16x warm white 12V 2W)
1070101 (LED unit 16x white 12V 2W)
1071101 (LED unit 15x warm white 12V 2W)
1072101 (LED unit 15x white 12V 2W)

Halogen lamps
6034101 (JC 12V 5W G4)
6015101 (JC 12V 10W G4)
6016101 (JC 12V 20W G4)
6001101 (MR11 12V 10W G4)
6037101 (MR16 12V 10W GU5.3)
6049101 (MR16 12V 20W GU5.3)
6057101 (MR16 12V 50W GU5.3)

Lights bulbs
6002101 (wedge bulb 12V 5W T15)
6003101 (wedge bulb 12V 7W T15)
6004101 (wedge bulb 12V 10W T15)

Low voltage maincables
600701 (10 meter with 4 connectors (SPT-1W, Max. 120W) to
combine with 22W en 60W transformers)
6008011 (15 meter with 6 connectors (SPT-3, Max. 150W) to
combine with 150W transformer)
6009011 (12V Timer + dark-light sensor)
6010011 (max. 21W)
6011011 (max. 60W, 2m cable)
6012011 (max. 150W, 2m cable)
6120011 (300W max. 150W per outlet)
6046011 (max. 22W, 2m cable)
6047011 (max. 60W, 2m cable)
6048011 (max. 150W, 2m cable)
6109011 (300W max. 150W per outlet)

Transformers
EU
600101 (max. 21W) - plug in
6010011 (max. 60W, 2m cable)
6020011 (max. 150W, 2m cable)
6103011 (500W max. 150W per outlet)

UK
6046011 (max. 22W, 2m cable)
6047011 (max. 60W, 2m cable)
6048011 (max. 150W, 2m cable)
6109011 (300W max. 150W per outlet)

12V Timer + dark-light sensor
6009011
- On/off - dark/light
- 1-9 hours
- Max. 150W

12V remote control + outdoor receiver
6148011 (12V remote + receiver, max 150W)
6149011 (12V receiver, max 150W)
- Suitable for 12V AC-DC applications (universal)
- Unlimited amount of 12V applications can be connected
to one receiver (up to max. 150W)
- Control 9 groups of receivers separately with one remote control
- Range approx. 40 metres (in open area)
- Receiver suitable for outdoor use (IP44)
1. Lighting Plan

**Lighting Choice**

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xerus</td>
<td>2</td>
</tr>
<tr>
<td>Alrus</td>
<td>1</td>
</tr>
<tr>
<td>Corvus</td>
<td>4</td>
</tr>
<tr>
<td>Deimos</td>
<td>1</td>
</tr>
<tr>
<td>Umbra</td>
<td>2</td>
</tr>
<tr>
<td>Lapis</td>
<td>20</td>
</tr>
<tr>
<td>Lumen</td>
<td>1</td>
</tr>
<tr>
<td>Nepos</td>
<td>20</td>
</tr>
<tr>
<td>Alpha</td>
<td>0.5</td>
</tr>
<tr>
<td>Lumo</td>
<td>1</td>
</tr>
<tr>
<td>Gaura</td>
<td>1</td>
</tr>
<tr>
<td>Minus</td>
<td>2.5</td>
</tr>
</tbody>
</table>

32
### Cable Choice

**TRANSFORMER CHOICE**

- **STANDARD LIGHT SOURCE**
  - 2 x 1 Watt
  - 2 x 4 Watt
  - 1 x 10 Watt
  - 2 x 2 Watt
  - 1 x 12 Watt
  - 5 x 20 Watt
  - 1 x 20 Watt
  - 2 x 1 Watt
  - 2 x 2 Watt
  - 1 x 20 Watt
  - 2 x 1 Watt
  - 5 x 10 Watt

  **Total 148 Watt**
  - 2 x 2 Watt
  - 2 x 20 Watt
  - 2 x 1 Watt

  **Total 46 Watt**

- **LED LIGHT SOURCE**
  - 2 x 1 Watt
  - 2 x 4 Watt
  - 1 x 14 Watt
  - 2 x 2 Watt
  - 1 x 14 Watt
  - 5 x 20 Watt
  - 1 x 20 Watt
  - 2 x 1 Watt
  - 2 x 2 Watt
  - 1 x 20 Watt
  - 2 x 1 Watt
  - 5 x 10 Watt

  **Total 52 Watt**

- **OTHER ACCESSORIES**
  - 2 x 2 Watt
  - 2 x 20 Watt
  - 2 x 1 Watt

  **Total 14 Watt**

- **TRANSFORMER**
  - 2 x 1 Watt
  - 1 x 20 Watt

  **Total 21 Watt**

**CABLE CHOICE**

- **CABLE WITH 3 CONNECTIONS**
  - 15 meter SPT-3 main cable: 150W max

  **Total 10 meter**

- **CABLE WITH 4 CONNECTIONS**
  - 10 meter SPT-1W main cable: 120W max

  **Total 4 meter**

- **CABLE WITH 5 CONNECTIONS**
  - 6009011 - 12V 150 Watt max
  - 6148011 - 150W max

  **Total 60 Watt transformer**

- **CABLE WITH 6 CONNECTIONS**
  - 1 x 20 Watt
  - 1 x 4 Watt

  **Total 6 Watt**

- **CABLE WITH 7 CONNECTIONS**
  - 3 x 20 Watt
  - 1 x 4 Watt

  **Total 8 Watt**

- **CABLE WITH 8 CONNECTIONS**
  - 1 x 20 Watt
  - 1 x 4 Watt

  **Total 4 Watt**

- **CABLE WITH 9 CONNECTIONS**
  - 2 x 2 Watt
  - 2 x 2 Watt

  **Total 4 Watt**

- **CABLE WITH 10 CONNECTIONS**
  - 2 x 1 Watt
  - 2 x 1 Watt

  **Total 4 Watt**

- **CABLE WITH 11 CONNECTIONS**
  - 2 x 20 Watt
  - 1 x 4 Watt

  **Total 4 Watt**

- **CABLE WITH 12 CONNECTIONS**
  - 5 x 0.5 Watt
  - 5 x 0.5 Watt

  **Total 5 Watt**

- **CABLE WITH 13 CONNECTIONS**
  - 3 x 20 Watt
  - 3 x 4 Watt

  **Total 12 Watt**

- **CABLE WITH 14 CONNECTIONS**
  - 5 x 0.5 Watt
  - 5 x 0.5 Watt

  **Total 5 Watt**

- **CABLE WITH 15 CONNECTIONS**
  - 2 x 1 Watt
  - 2 x 1 Watt

  **Total 2 Watt**

In the product information page 15 of this brochure, you will find more information about the remote control and the lamp.

**Transformer Choice**

- **MR16 4W Power LED**
  - 12V timer + dark-light sensor
  - 12V remote + receiver

**Standard Light Source**

- 12V timer
- 12V remote

**Total 148 Watt**

- 12V transformer

**Standard Light Source**

- 12V timer
- 12V remote

**Total 52 Watt**

- 60 Watt transformer

**LED Light Source**

- 12V timer
- 12V remote

**Total 46 Watt**

- 60 Watt transformer

**Other Accessories**

- 12V timer + dark-light sensor
- 12V remote + receiver
**Lighting Plan**

You can fill in your shopping list here

1. **Lighting Choice**

<table>
<thead>
<tr>
<th>Article Number</th>
<th>Model</th>
<th>Amount</th>
<th>Watts Per Lamp</th>
<th>Total Watts Per Lamp</th>
</tr>
</thead>
</table>

2. **Transformer Choice**

<table>
<thead>
<tr>
<th>Total Watts Lamps</th>
<th>Choice</th>
<th>Article</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 21W/22W</td>
<td></td>
<td>ART 6010011/6046011 - 21W/22W Outdoor Transformer</td>
</tr>
<tr>
<td>&lt; 60W</td>
<td></td>
<td>ART 6011011/6047011 - 60W Outdoor Transformer</td>
</tr>
<tr>
<td>&lt; 150W</td>
<td></td>
<td>ART 6012011/6048011 - 150W Outdoor Transformer</td>
</tr>
</tbody>
</table>

3. **Cable Choice**

- Transformer 21W/22W
- Transformer 60W
- Transformer 150W

**Choice of Extension Cables and Cable Dividers**

The amount of extension cables and cable dividers depends on the number of lamps and the spot where the lighting is placed in the garden.

Extension cables and cable dividers are connected to the connections on the main cables.