



Installation Instructions

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A) Introduction

Dear Customer,

Congratulations on purchasing your Vole Lights.

The luminaires were double-checked for function before shipping. If, after proper installation, the luminaire is not in order, we undertake to remedy all defects that occur through no fault of our own free of charge. If you have problems with the luminaire during the warranty period, please contact your specialist dealer.

Before the first use

Before the luminaire is put into operation for the first time, the instructions for use must be read carefully. Keep the instructions carefully for later use!

The user must be explained by the specialist dealer how to use the luminaire.

The manufacturer assumes no responsibility for injuries or damage resulting from improper use of the luminaire.

Safe operation is only guaranteed if these instructions are followed.

Safety

- The luminaire is not intended to be used and extended excessively often every day
- The luminaire must not be blocked when retracting/retracting
- The luminaire should only be used as a luminaire
- Any manipulation of the device is prohibited
- Attention! Risk of tripping in the case of luminaires that are not retracted
- Attention! Do not look directly into the bulb, to protect the optic nerve
- Keep packaging material away from children, there is a risk of choking

Repairs may only be conducted by the specialist dealer, his service, or a comparable electrician. Only the parts intended by the manufacturer may be used.

Children, persons whose physical, mental, or other abilities are restricted and who cannot safely operate this device, as well as unauthorized persons may not access this electrical appliance unattended.

Keep limbs away from the luminaire when it retracts.

Electrical safety

Vole Light RISE&SHINE

The luminaires themselves are operated with low voltage. Thus, there is **no electrical danger** in the event of a defect in the lamp or a damaged connection cable.

Control box/Connection box

Attention! Danger of electric shock!

An intact connection cable and power plug on the control box are particularly important for electrical safety.

Damaged cables, couplings and plugs or connection cables that do not comply with the regulations must not be used in order not to expose oneself to the risk of electric shock.

Therefore, check the connection line regularly for signs of damage or aging (brittleness).

If changes to the control box are necessary, these must be conducted by a specialist electrical company.

Warranty

The warranty period is 6 months and starts on the day of purchase. Please keep the proof of purchase/invoice as proof. During the warranty period, defective luminaires can be replaced carriage forward. You will then receive a new or repaired **RISE&SHINE** luminaire free of charge.

The warranty period is 24 months.

Repairs after the warranty period have expired are subject to a charge. Your statutory rights are not limited by this warranty.

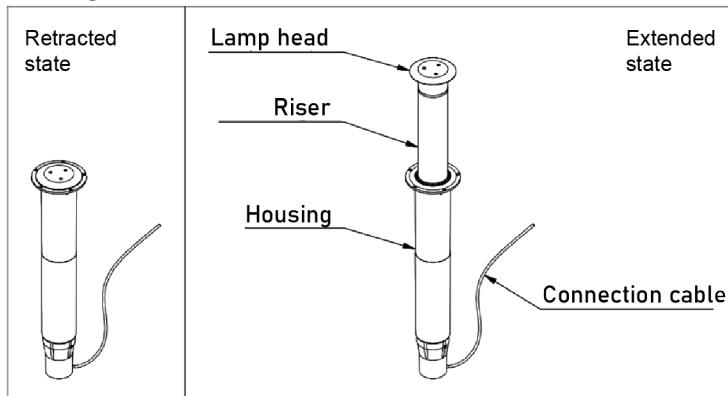
Disposal



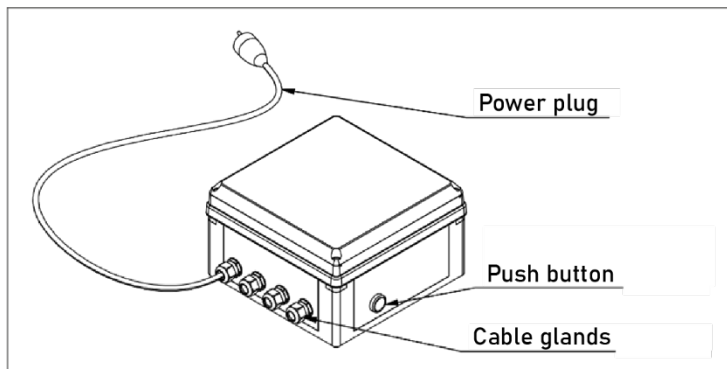
After the end of its service life, the product must be disposed of professionally. It must not be disposed of with normal household waste. Luminaires must be recycled at your regional disposal company.

B) Device overview

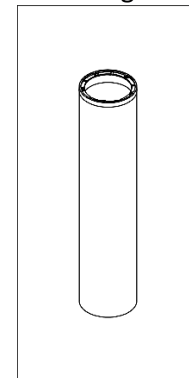
Vole Light – RISE&SHINE



Control box



Mounting-kit



Representations may vary!

Scope of delivery

Vole Light RISE&SHINE

- Retractable garden lamp RISE&SHINE
- Bulbs "360" or "Spot" (already pre-assembled)
- Mounting screws of stainless steel

Mounting-kit

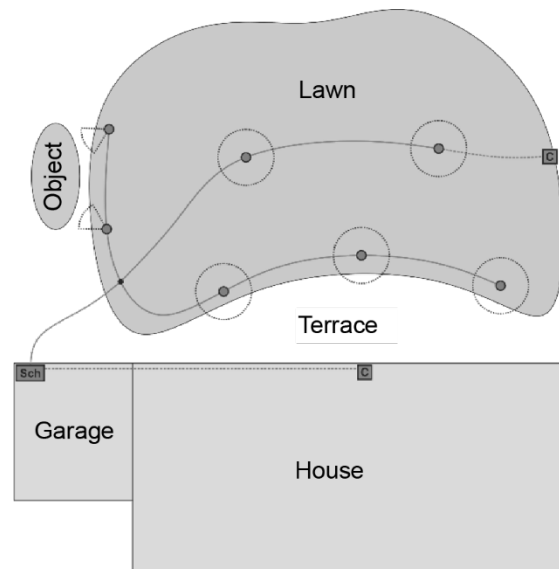
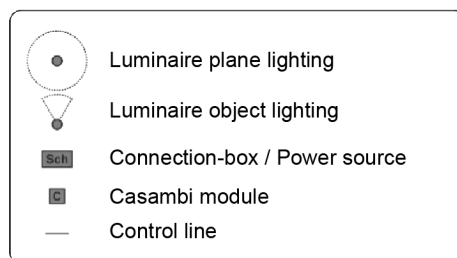
- Assembly-Kit sleeve
- Connection cable 3 x 0,75mm²
- Electrical connection set

C) Installation

1. Preparation

In advance, thought should be given to the placement of all components of the system and laying of the control line.

- Positions of the luminaires
- Location of the control box
- Location of the Casambi module



2. The control line

For subsequent installation in an already created garden, we recommend laying the control cable with the help of a cable plough.

The control line should be laid at a depth of at least **25 cm below the surface** to avoid damage during gardening, etc.

3. The mounting kit

Make sure that the soil is **sufficiently permeable to water**. In the case of waterproof soils, drainage is necessary to avoid backwater.

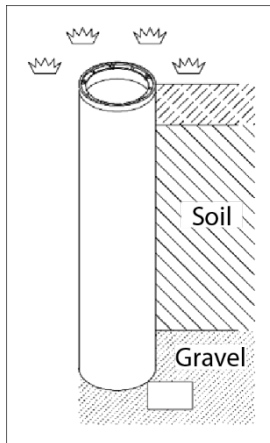
To install the mounting kit, it is necessary to make a hole in the floor (diameter min. 150 cm, depth min. 58 cm). For this purpose, the use of an earth drill is recommended.

The bottom of the hole must be filled with drainage gravel to ensure sufficient water drainage.

Make sure that the connection cable is placed in the inside of the sleeve via the cable entry. Furthermore, the upper opening should be covered with a foil or similar to avoid the ingress of dirt during the assembly process.

Now place the mounting kit in the hole and align it with the help of some gravel.
The following criteria must be met:

- **The top edge of the mounting kit must be at least 1 cm below the surface**
- **The mounting kit must be vertically aligned**



After aligning the mounting kit, fill it with about 10 cm of gravel. Fill the rest of the hole with soil up to about 20 cm below the upper edge and compact it with the help of a rod or similar.

Then jam the outer part of the connection cable with the previously laid main cable and cast it watertight.

For this purpose, we recommend the use of electronic gel or resin and the clamps and sleeves contained in the set.

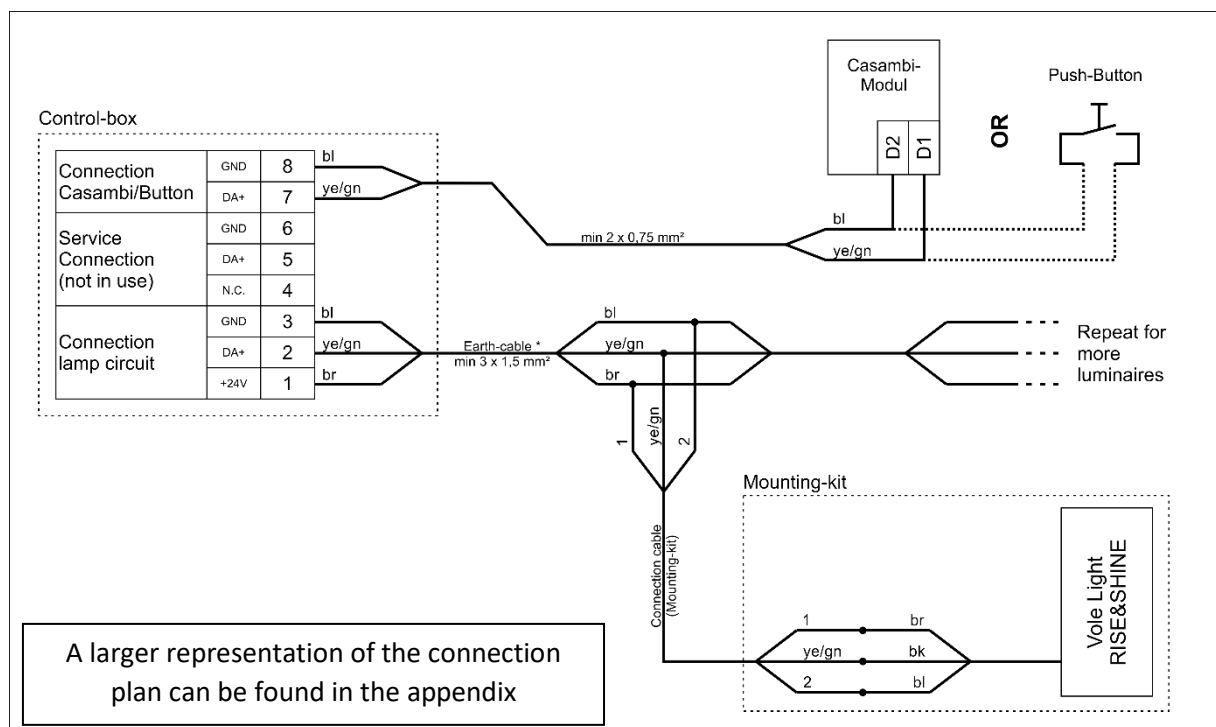
After curing the potting compound, fill the rest of the hole with soil and compact it.

4. The control box

The mains plug of the control box may only be connected to the power after completion of the work.
Failure to do so creates the risk of electric shock!

The control box should be installed in an easily accessible place, protected from strong environmental influences (heavy rain, maximum solar radiation).

The cables to be mounted must be inserted into the control box through the pre-assembled fittings and clamped according to the following connection plan:

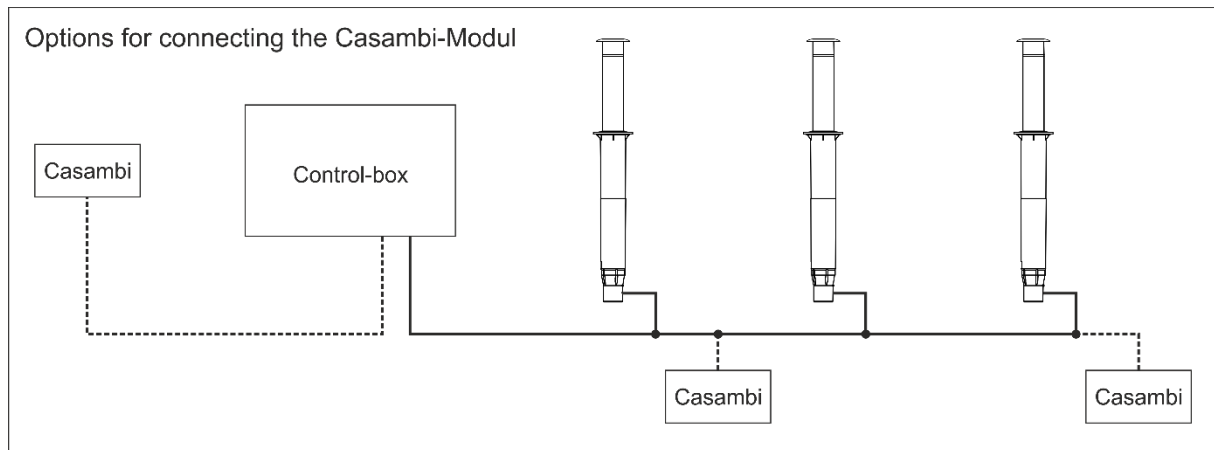


Optionally, a cable for the Casambi module can also be installed here.

After the work is complete, move the main switch S0 to the ON position and then close the control box. Plugging in the mains plug is only required during commissioning.

5. The Casambi module (optional)

The Casambi module is used to **operate** the luminaires using a **smartphone or tablet** via Bluetooth. It should therefore be installed near the luminaires used or from where you want to control the luminaires (terrace, living room, etc.). The range of the Bluetooth signal is about 10m over open area.



The Casambi module can be connected either to a separate, at least 2-wire cable directly on the control box, or alternatively to the DA+ and GND cable at any point of the main line to the luminaires.

The Casambi module is not protected against environmental influences (dust, moisture) and must therefore be installed in a protected place or in a separate housing.

6. Installation of the Vole Lights

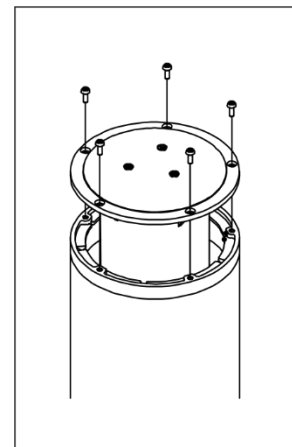
This step should be conducted only **after completion of all work** around the lamp to prevent damage to the luminaires.

Furthermore, the power supply must be switched off.

Clamp the connection cable of the luminaire with the connection cable in the mounting kit and cast the clamping point waterproof.

After curing the potting compound, insert the luminaire into the mounting kit together with the cable. Pay attention to the **correct orientation** of the luminaire so that the mounting holes are on top of each other. In addition, the contact surface should be free of dirt to ensure the correct fit of the luminaire.

Finally, screw the luminaire with the help of the enclosed screws to the mounting kit. The screws should only be tightened slightly.



D) Commissioning

The control box must be closed at this step to avoid the risk of electric shock!

Connect the power cord of the control box to the power supply.

After the power supply has been established, the Vole Lights will extend independently for the first time when using a Casambi module.

E) The lamp head

Our Vole Lights are optionally equipped with the lamp head "360" or "Spot". These are also available separately and can be replaced at any time.

Align the lamp head "Spot"

You can simply align the light cone of the lamp head "Spot" to the desired object. The luminaire must be in the **extended state**.

Loosen the three screws on the lid of the luminaire by about one revolution. Now you can align the light cone by turning the lid in the desired direction. Then tighten the screws in the lid again.

When aligning, make sure that the head does not detach from the climber.

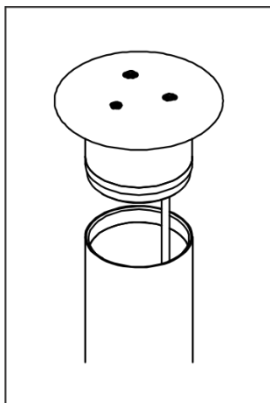
Replacing a lamp head

The lamp head is **screwed** to the stainless-steel climber via a thread.

For assembly or disassembly, the luminaire must be in the **extended state** and the power supply must be switched off!

Dismantling

To release the lamp head, turn it counterclockwise from the ascender on the lamp glass. At the bottom of the head is the connection cable, which can also be released via the screw cap.



Assembly

First, connect the lamp head to the connection cable located in the ascendant and screw it together. Pay attention to the **correct orientation** of the plug (notch and nose).

Now turn the lamp head about **two revolutions counterclockwise** to create a preload in the connection cable. Now place the lamp head on the climber and screw it in solidly.

When using the "Spot" lamp head, it may be necessary to realign (see above).

F) Operation of the luminaires

Manual operation via button

To manually retract or retract the luminaires, press the button on the control box or any other button provided for this purpose.

By pressing and holding the button in the extended state of the luminaires, the brightness of these can be **dimmed**.

Use of the Casambi module

The use of a Casambi module allows you to control our luminaires with the help of a smartphone or tablet.

The associated app is available free of charge for Android and iOS.



Among other things, the app allows you to control the luminaires depending on the time, to retract and exit them manually or to create different light scenes.

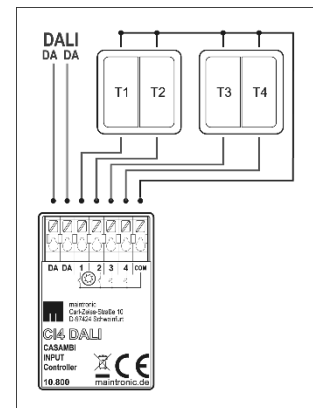
You also have the option of connecting up to four buttons to the Casambi module to retrieve scenes at the touch of a button.

For more information, please refer to the instructions for the Casambi app.

Winter mode

When severe **frost** occurs, there is a possibility that the lights in the garden will "freeze". You should therefore activate the so-called winter mode before it is going to freeze.

By pressing the button **three times quickly**, the winter mode is activated or deactivated again. In this mode, **the luminaire remains in the extended state**, but can be switched on or off and dimmed.



G) Maintenance and care

Care

All internal mechanical components of the Vole Lights are designed in such a way that they do not require the addition of lubricants.

To care for the luminaires, we recommend that the climber be provided with a grease- and oil-free lubricant (PTFE/Teflon spray) twice a year.

The climber, as well as the lamp glass should be cleaned regularly of coarse dirt to allow a long service life of the lamp.

Safe handling

In general, a load on the luminaires should be avoided. In the retracted state, however, these are resilient for a short time.

A load must not be conducted selectively or above a maximum of 95 kg.

Mowing above the luminaire is possible at any time when retracted.

When the Vole Lights are retracted or extended, they detect an abnormal load (object above the luminaire when extending, object jammed under the lid when retracting, etc.) and abort the retraction or retraction process after two further attempts.

Among other things, this prevents the risk of crushing when retracting and mechanical damage to the luminaires.

Troubleshooting

If a malfunction occurs with your system, you can try to fix it with the help of the table below.

Disturbance	Cause	Remedy
The luminaire cannot be extended	Ambient temperature too low	<ul style="list-style-type: none">- If the temperature is too low, the luminaire cannot be moved, it protects itself- Activate winter mode early, see section F)
	Distribution box without electricity	<ul style="list-style-type: none">- Check the power supply of the distribution box
The luminaire cannot be retracted, but lights up	Winter mode enabled	<ul style="list-style-type: none">- Disable winter mode, see section F)
The luminaire stops when retracting or retracting	A mechanical overload was detected	<ul style="list-style-type: none">- Inspect the luminaire for damage and blockages- Unplug the system for at least 30 sec.- Contact your dealer
The luminaire extends but does not light up	Lamps (lamp head) defective	<ul style="list-style-type: none">- Replace the lamp head, see section E)
	Cable defective in the climber	<ul style="list-style-type: none">- Contact your dealer
Other disruption		<ul style="list-style-type: none">- Contact your dealer

H) Annex

EC Declaration of Conformity



EG- Konformitätserklärung

(Richtlinien 2014/30/EU, 2014/35/EU, 2011/65/EU)

EC- Declaration of Conformity

(Directives 2014/30/EU, 2014/35/EU, 2011/65/EU)

Hersteller: Maintronic GmbH
Manufacturer: Carl-Zeiß-Str. 10
DE-97424 Schweinfurt

Dokument-Nr. VoleL_K2114
Document no.:

Group: Außenleuchte, *Outdoor Luminaire DC*

Erzeugnis: **Vole Light Rasenversenkleuchte RISE&SHINE**
product:

Vole Light Standleuchte SHINE

Art. Nr. 15104, 15124
Part no.:

Folgende Normen wurden zur Konformität angewendet:
The following standards have been applied for conformity:

L V Directive

EN 61347-1: 2015 +A1 : 2011 +A2 : 2013

EN 61347-2-11:2002

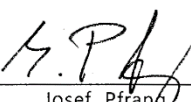
EMC Directive

EN 55015:2016, +A1 : 2015

EN 61547: 2010

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Connection plan

