

14140 INSTALLATION INSTRUCTIONS

The installation may only be carried out by an approved electrician, who is familiar with valid directives and regulations!

1. Use as directed:

This product serves exclusively lighting purposes and may:

- only be used with a voltage of **110V ~277V 50Hz/60Hz**
- not be exposed to strong mechanical loads or to strong contamination.
- only be installed and operated after a condition inspection if the product is dirty or has been moistened through storage.
- not be modified or converted.

⚠ If these points named above are not adhered to, a short circuit or electrical shock may occur!

2. Technical Data:

	8537	8542
Operating voltage:	110V ~277V 50Hz/60Hz	
Safety class:	I	
Safety type:	IP 67	
Bulb:	1W*12 LED	1W*24 LED

IP 67: Protection against dust(dust-tight) - Protection against the penetration of water when temporarily submerged.

3. Installation

⚠ The complete installation must be done by an electrical expert, who is familiar with the valid directives.


⚠ Attention: Switch off power of the mains supply or respectively of the connection lead before doing any works.

Use only parts, which are supplied with the product or are described as accessories! Otherwise the product or the installation might not be sufficiently safe!

Installation place:

The product is suited for recessed floor installation.

Make sure that the product is mounted on a **stable, even and tilt-fixed background**. The **light exit** should be placed at least so far from the illuminated surface, as indicated as **minimum distance** on the type plate of

the luminaire:  **Pay special caution** to easily inflammable objects (e.g. foliage).

Use as power lead only a suitable earth cable. Do not use PVC cables!

Before installation

- ATTENTION: DO NOT REMOVE THE GREASE ON THE SCREWS AND THE SCREW HOLES!**
The grease inhibits anodic corrosion(electrolysis). Renew the grease on the screw connections after each time the fixture has been opened.
- Carry out the installation when the weather is dry.
- Prepare the recess if not done yet. When installing the lighting unit outdoors provide a gravel bed, 20 cm thick, beneath the installation pot. This serves as protection from corrosion.

- Prepare the power supply lead according to valid rules for outdoor installations.

Separate Installation Steps

- Loosen the two screws on the top (1).
- Take the fixture out of the casing.
- Direct the earth cable through one of the openings of the casing (2).
- Insert the casing into the prepared recess.
- Remove the cap on the side where the cable screwing is located (3).
- Disconnect the earth connection of the chassis plate(4).
- Pull out the chassis plate(5) .
- Direct the earth cable, in sufficient length, through the cable screwing.
- Secure the cable screwing.
- Electrical Connection (6)**
 - The product must be able to be separated by an all pole separation from the current supply.
 - Equip the three wire ends with protective tubes.
 - For electric connection attach the black or brown wire (live conductor) of the mains supply with the clamp L and the blue wire (neutral conductor) of the mains supply with the clamp N. The green-yellow wire (protective conductor) of the mains supply has to be tightly screwed into the earth clamp Ⓧ of the product.
 - Through-wiring may be established by using the entries on the opposite side of the cable screwing.

- Inserting the bulb:** Insert the LED into chassis plate.

- Assemble the fixture in reverse order. **Reconnect the earth connection of the chassis plate!**
- Pay attention that the gasket fits properly.
- Insert the fixture in the installed plastic casing. Ensure a secure fit.
- The product is now ready for operation.

4. Operation:

Information for the user:

Operate the product only if it is working correctly. Switch off the product with a malfunction immediately and operate it again only after examination by an electrical specialist. This is the case, when:

- visible damages appear.
- the product does not work.
- smoke, steam or crackling sounds appear.
- an overheating is recognisable.

Repairs of the product or work on mains voltage-prominent sections may only be carried out by qualified electricians.

⚠ Attention: Here exists mortal danger from an electric shock!

How to avoid failure and fire risk:

- Do not cover the product (Remove leaves and dirt once in a while).
- Do not fasten anything on the product.
- Replace damaged protection glasses immediately!**
- After each opening of the product the gasket should be checked and cleaned. The bearing surface of the gasket must be free of dirt. These measures ensure that the IP class is maintained.

⚠ Never let children play unsupervised with electric products! Children can not always estimate dangers in dealing with electric energy correctly.

ATTENTION! The following environmental influences may have unwanted effects on the surface of the product:

- acid rain and sour soil
- high salt content in the air
- thawing salt
- cleaning agents
- other chemical substances (e.g. herbicides)

Protect the product by adequate means to avoid unwanted changes of the surface. **Cleaning tip:** Switch off power! Painted surfaces: Use a damp cloth. Stainless steel: Use a special cleaning agent.

What is to do if a bulb is defect or does not work?

- Disconnect the product from power, before you exchange the bulbs.
- ⚠ Caution:** Let the bulb cool down first before replacement – otherwise considerable risk of injury exists because of the hot surface.
- Replace the bulbs only with bulbs of the same data like socket, power and capacity. Every other sort of bulb can lead to damages of the light.
- Replacing the bulb:** see Installation.

5. What else has to be considered?

Disconnect the product from power, before you...

- clean or maintain the product.
- do any works on the product or its components (electric expert).

