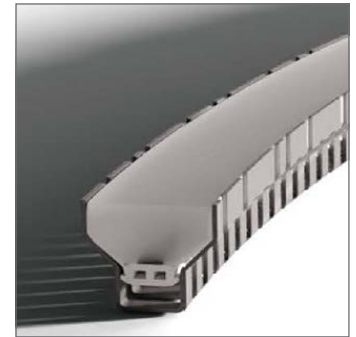




INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- Unauthorized alterations or tampering of product voids warranty.
- The main power connection must be in accordance with local electrical codes.
- Suitable for OUTDOOR applications.



IP65 IP68

Electrical Connections:

- LED lights must be **connected in parallel** respecting polarities.
- **CHOOSE POWER SUPPLY ACCORDINGLY.** Please consider the voltage through which fixtures are fed as well as the max power consumption.
- **Connect power only if all the fixtures are connected.**
- The power supplies **MUST** be installed in aerated rooms, far from heat sources. Overworking or lack of air circulation will not permit natural dissipation.
- Use only Class 2 type electronic power supply.
- Never use switches on secondary circuit.

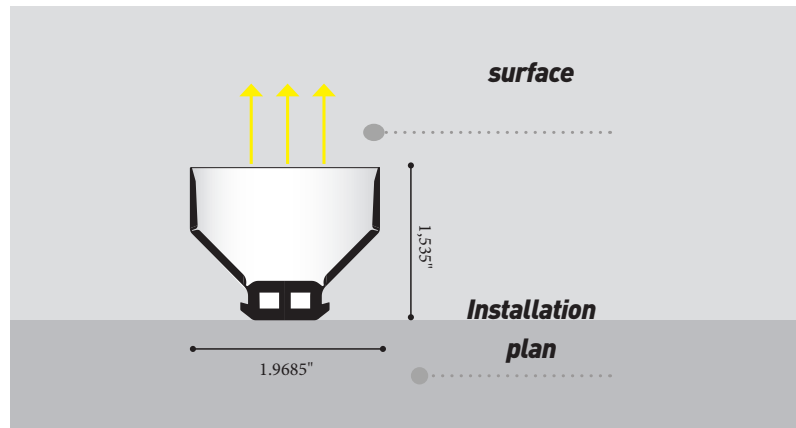
ATTENTION: **For In-Grade** - It is the contractor's responsibility to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection. Contractor **MUST** use gel-filled wire nuts.

Maintenance(if applicable)

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the ballast, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

FIXTURE DIMENSION:



Attention: THE PRODUCT'S WARRANTY IS VALID ONLY IF THE INSTRUCTIONS HAVE BEEN OBSERVED.

SAFETY INSTRUCTIONS

- It is absolutely necessary to isolate the mains supply before beginning any installation, inspection, maintenance or cleaning;
- Every kind of modification of products that has to be installed and used as supplied and in compliance with current regulations is forbidden;
- If malfunctions occur, please directly contact **factory**.
- After removing the packaging, check the integrity of the product;
- The transport and storage of the luminaire must be in the original packaging.
- Mechanical stress of L110X and its components has to be absolutely avoided.
- Read and don't remove the product label.
- Installation and operating of this luminaire are subject to international safety regulations. The manufacturer is not liable for damage caused by improper use. Any unapproved modification could avoid the manufacturer's warranty;
- Observe correct electrical polarity. Wrong polarity can destroy the modules.
- Installation of LED bar (with power supplies) needs to be made with regards to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- To protect the surface from dirt and fingerprints, we recommend the use of protective gloves during installation.
- Pay attention to the allowable ambient conditions under which the luminaire may be operated.
- Do not cover luminaire and control gear to prevent overheating.

MAINTENANCE

- Attention: previously cut off the mains supply and allow system to cool down;
- Clean the appliance regularly with a smooth damp cloth. Use only water and neutral soap.
- Avoiding the use of chemical solvents and/or abrasive cloths.
- Detergents must have a low solid content for easy removal.
- It is important to make sure that the detergents that are used for cleaning must be removed once the washing is finished, either manually or by simple evaporation;
- Check that there are no cleaning products in contact with the luminaires for a long time;
- Do NOT use pressure washers. The pressure of the water jet can damage the surface of the the luminaires.

CHEMICAL SUBSTANCES INCOMPATIBLE WITH POLYURETHANE RESIN

List of chemical substances that can interact with two-component polyurethane resins, causing deterioration and cracking of the structure:

- Acetone
- Methylene chloride
- Toluene, Xylene, Benzene, Diesel in general
- Turpentine
- Hydrochloric acid
- Sulfuric acid
- Nitric acid
- Caustic soda or potash
- Some anti-algae or anti-fungus products on the market
- Non-neutral soaps or detergents

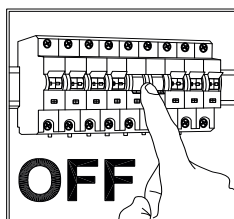
To avoid



In general, the combination of a strong jet of pressurized water, at temperatures greater than or equal to 40°C, with the addition of one of these substances significantly increases the possibility that the polyurethane will be degraded in just 6 months.

The **CHEMICALS THAT DO NOT ATTACK RESINS ARE** polyurethane, chlorine in various forms and bleach (sodium hypochlorite), neutral soaps, weak acids and bases and polar protic solvents, methanol, ethanol, propanol, butanol.

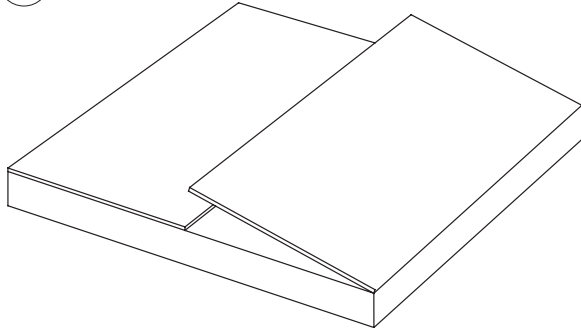
FIXTURE INSTALLATION INSTRUCTION



- It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface, to satisfy wet label requirements.
- It is the contractor's responsibility to install Remote Driver in a suitable electrical enclosure.

Installation step by step

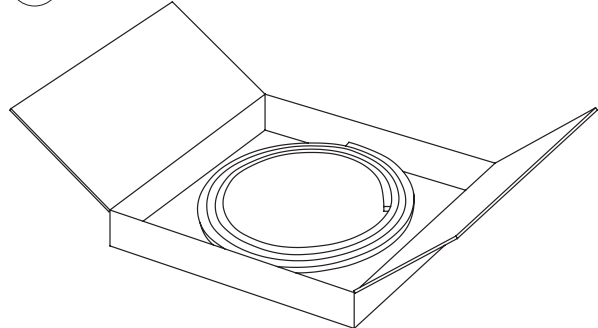
01



OPEN THE PACKAGE CAREFULLY

Make sure not to damage the encapsulation of the product when opening the package with a sharp object (Cutter knife / Scissors), otherwise, no adequate protection of the LED strip is guaranteed. After receiving the package, please check the integrity and completeness of product.

02

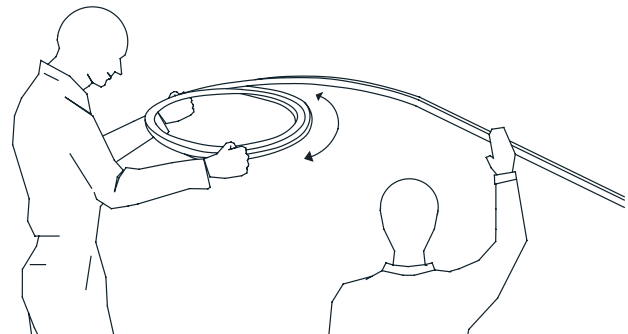
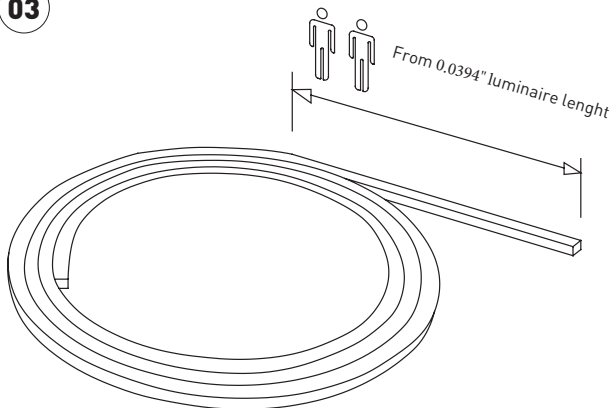


TEMPERATURE FOR ASSEMBLY

To ensure proper installation, they must be brought to room temperature before installation. Depending on the storage location (-30°C / +85°C), the flexibility of the luminaire can be significantly reduced when temperatures are too low. Warming up to room temperature makes the luminaire flexible for proper assembly. In the case of temperatures below +18 °C, keep the product switched on for at least **30 minutes in the place of installation**, before unrolling it.

The best temperature for assembly is between +18°C to +35°C.

03



UNROLL THE PRODUCT

Unroll the product gradually and carefully from the packing.

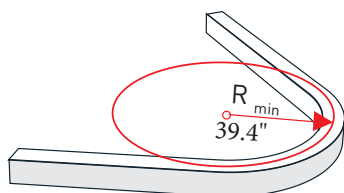
Attention: If the luminaire is longer than 1m, the installation should be done by two people: one person for pressing the product onto the surface and one person to hold up the package with the rest of the luminaire. During the installation of the product, especially when the product is longer than 2m, it is important to handle it very careful. Otherwise the conductor tracks in the product can easily be damaged through improper bending.

It is important to make sure that no part of the product is hanging down.

Thereby, the bending radius can be undershot and the product can take extensive damage.

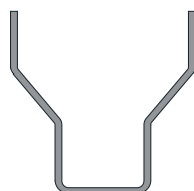


Note. Bend the profile in both axes, respecting the minimum curvature radii indicated. In case of non-observance of the given indication, the electrical functionality of the product will be compromised, with consequent luminous interruption of the LED strip. Do not twist it.

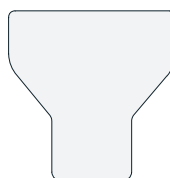


Note. Do not bend the profile with radius less than 39.4". In case of curvature less than the indicated value, the electrical functionality of the product will be compromised, with consequent luminous interruption of the LED strip.

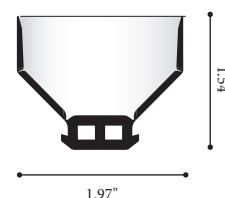
Mounting scheme with FLEXIBLE STEEL PROFILE



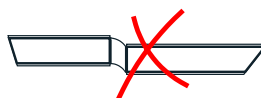
SNK-AC-50x39-AC
Flexible steel profile
to press-in the LED strip



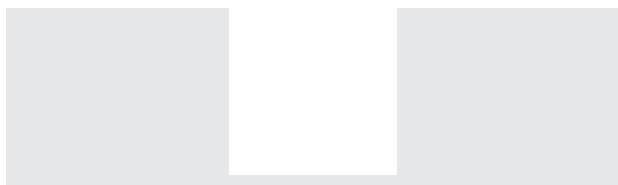
GUA-50x39-SNAKE
PVC installation guide
to be inserted into the steel outer case



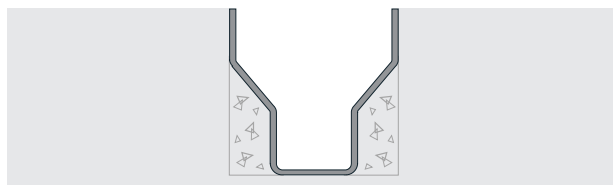
LED strip
extruded in flexible PVC and treated
with polyurethane resin



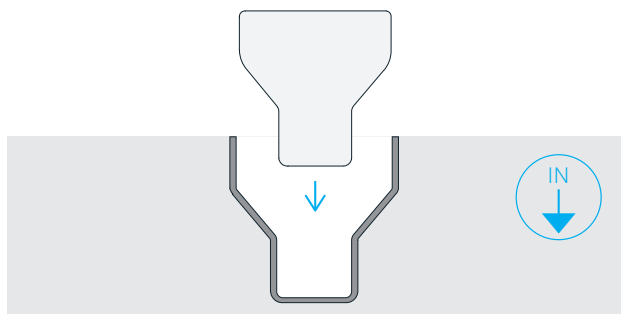
Note. In case of continuous row installation, align the individual light lines well to avoid malfunctions of the LED circuits.



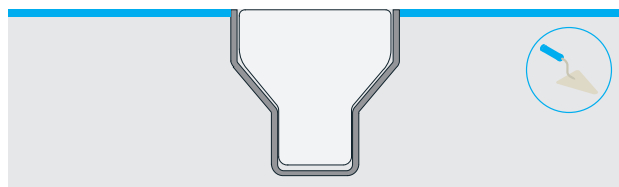
01. Create the installation plan with correct sizes.
Create the path for the corrugated pipe for the power supply.



02. Place the mounting outer case on a horizontal and levelled surface.
After fixing the outer casing you can putty with concrete any holes on the sides of the outer casing.

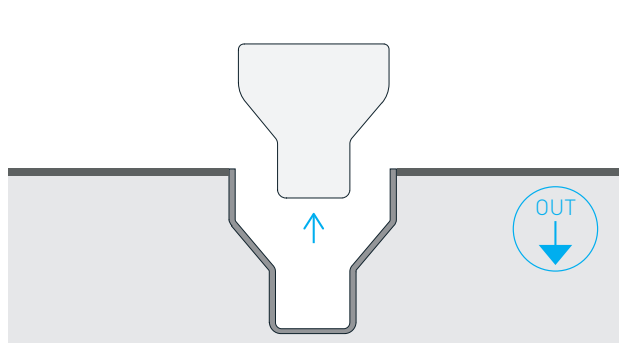


03. Press the PVC installation guide into mounting outer case.

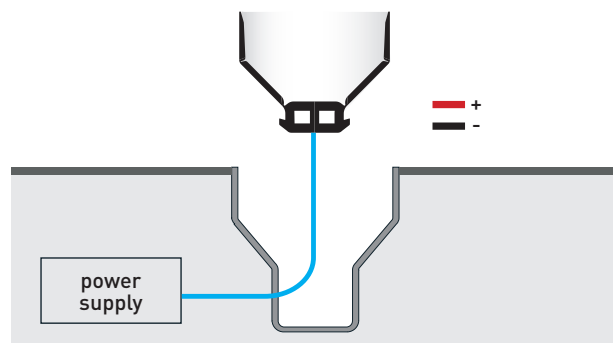


04. Smooth the installation surface.

Mounting scheme with **FLEXIBLE STEEL PROFILE**



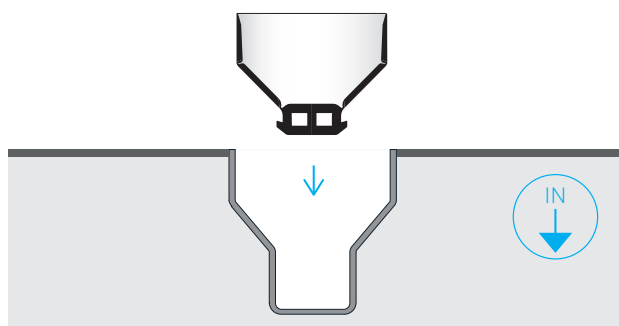
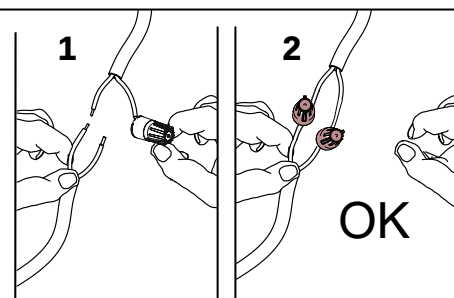
05. Remove the PVC installation guide from the mounting outer case.



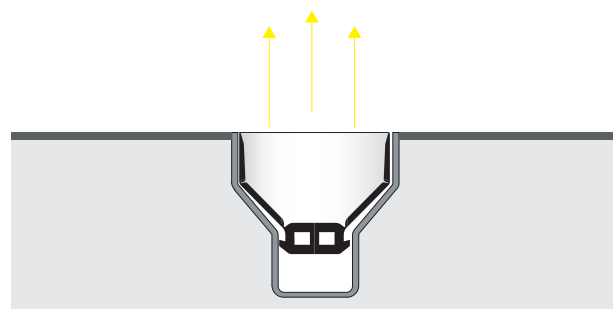
06. Connect the luminaire to the power supply, respecting the polarities.



Use gel-filled waterproof wire-nuts for wire connections.



07. Press the LED strip into the guide and connect the LED Strip.
The strip must be inserted inside with glue, but can be removed in the event of breakage.



08. Turn on the device.

