

H2 LINE - TOP LIGHT (LL720)

30W per 3.28 ft (1M), Require Remote 24VDC Driver

installation instructions



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 IK10

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: Installer **MUST** use gel-filled wire nuts or other type of connectors that provide water tight connections.

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:

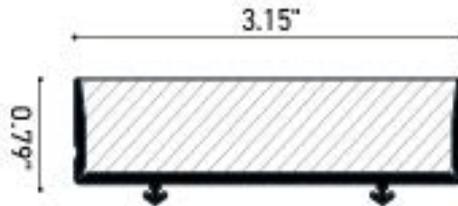
- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components 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.

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FIXTURE DIMENSION:



NOT CUTTABLE IN THE FIELD

NOT RATED FOR WALKOVER

*Can be Customized on Request
for Walkover*

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.

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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

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

To avoid

NO DON'T PRESS



NO DON'T TWIST



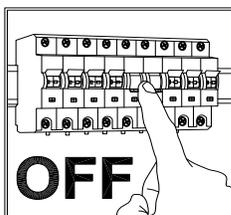
NO DON'T STEP ON



NO DON'T PULL



NO DON'T CUT



- 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.

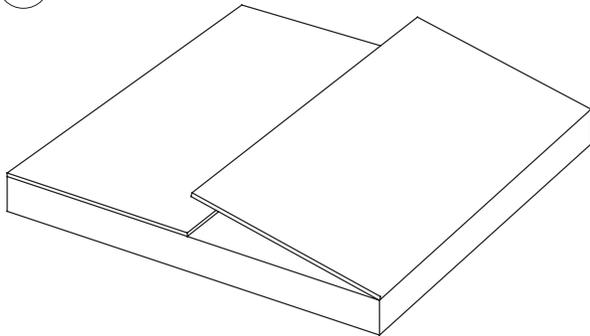
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Installation step by step

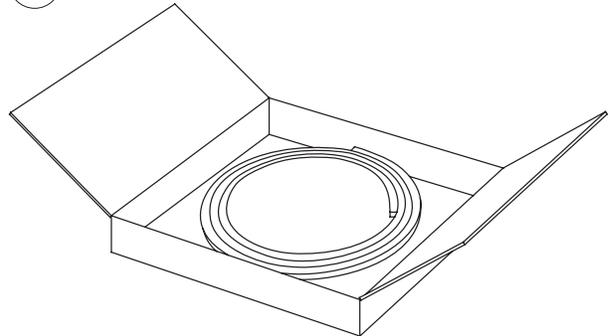
01



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

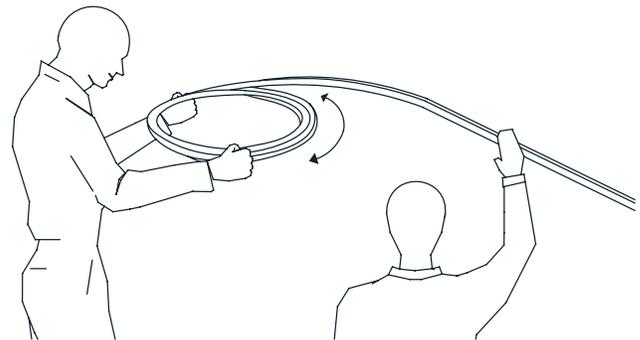
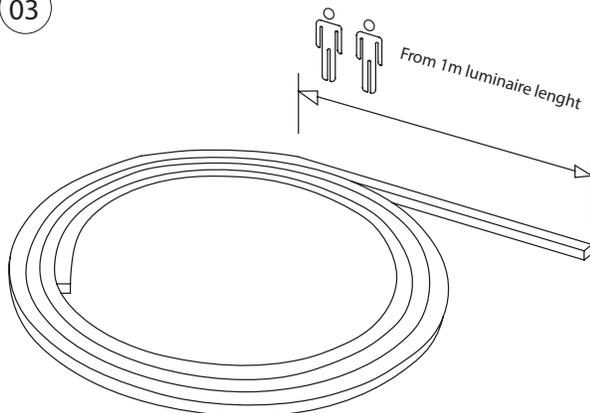


TEMPERATURE FOR ASSEMBLY

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 (3.3 ft), 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.

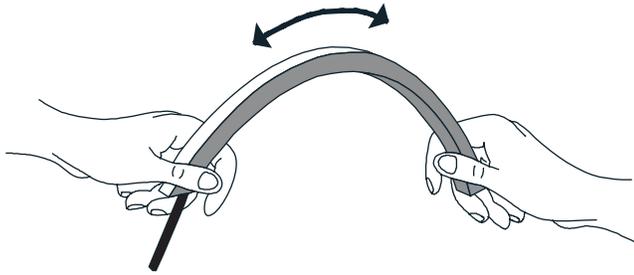
Thereby, the bending radius can be undershot and the product can take extensive damage.

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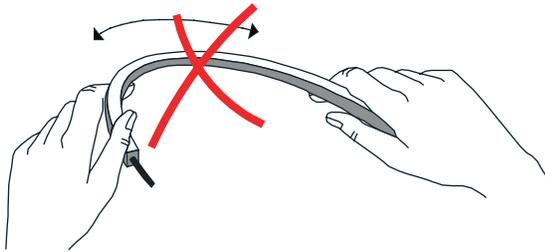
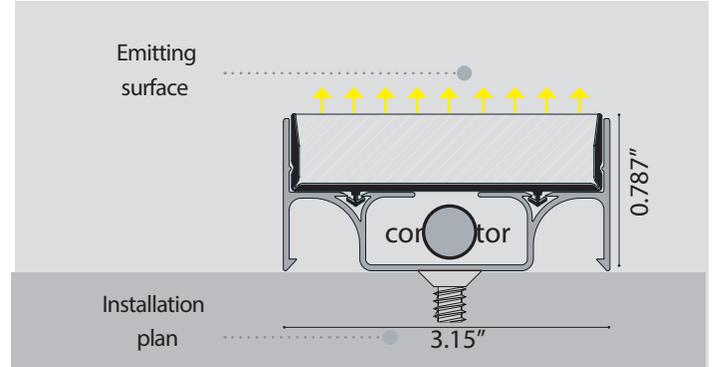
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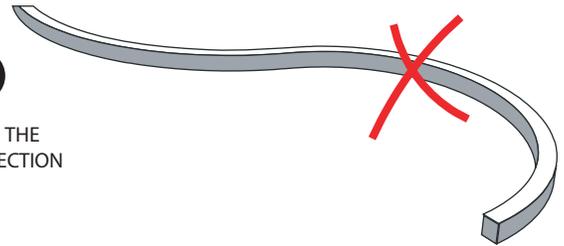
TOP EMISSION



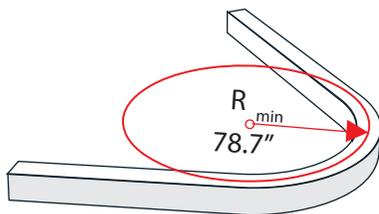
VERTICAL BENDABLE



NO
NO FLEX IN THE
OPPOSITE DIRECTION



Note. The strip is vertical bendable. Curve the profile only in the indicated axis. 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.



⚠
MINIMUM
CURVATURE RADIUS

Note. Do not bend the profile with radius less than 78.7". 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.

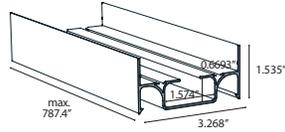
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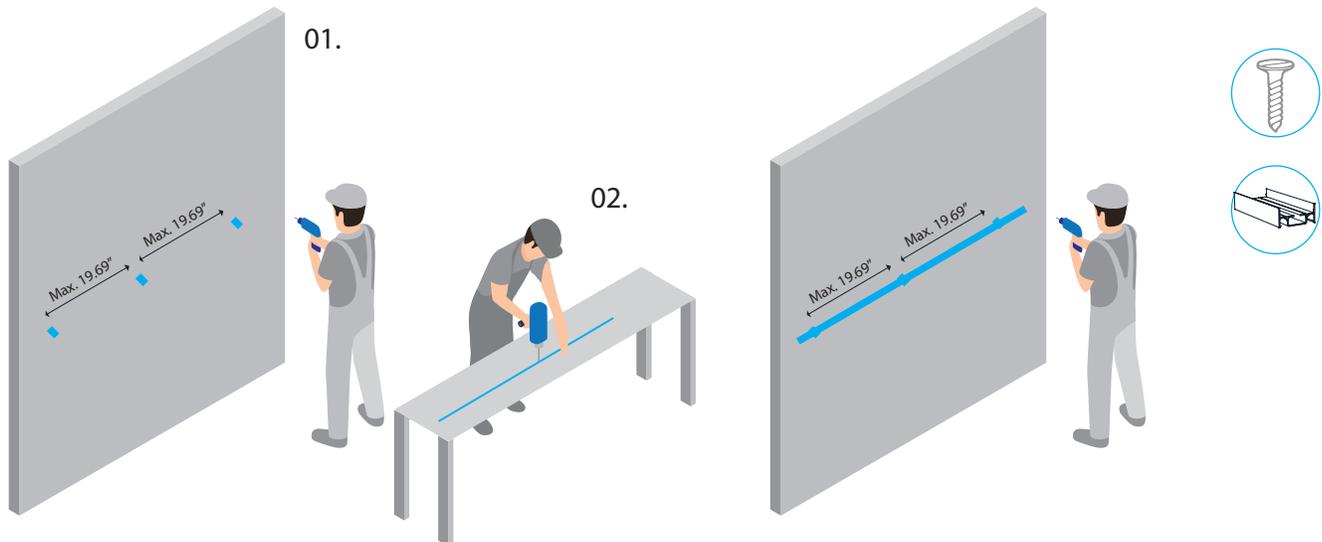
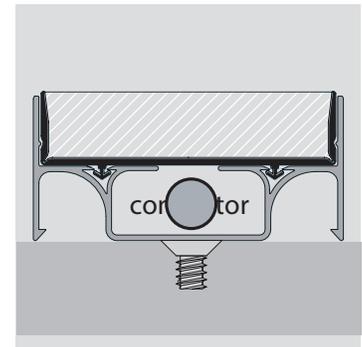
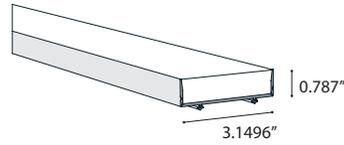
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Mounting scheme RIGID ALUMINUM OUTER CASE



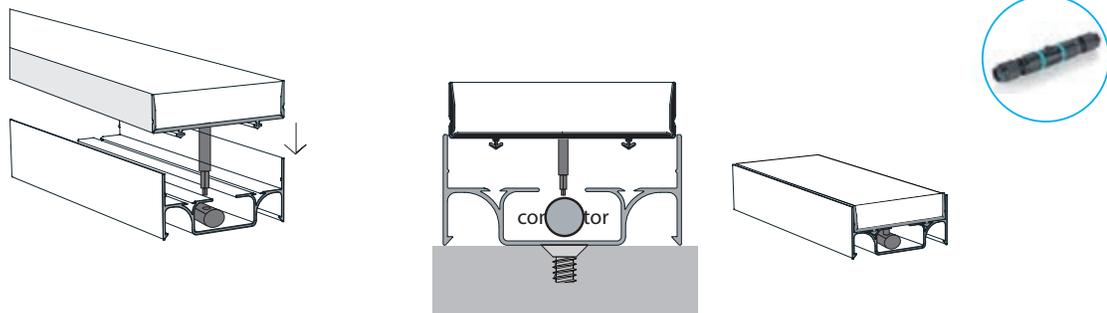
Aluminum outer case
to press-in the LED strip



01. Prepare the screw inlet by drilling the installation plan.

02. Pre-drill the aluminum outer case with the selected screw diameter.

03. By placing the aluminum outer case on the installation plane, fasten it to the same with the countersunk screw.



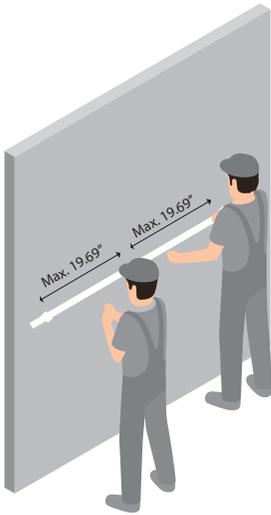
04. Connect the LED strip to the connector.

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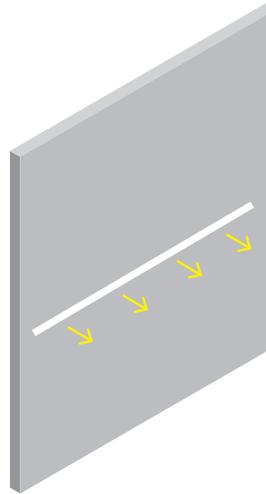
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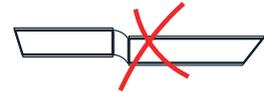
installation instructions



05. Enter the LED strip in the aluminum outercase by pressing.



06. Connect.

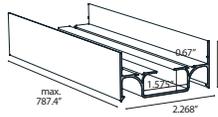


Note. In case of continuous line installation, align the individual light lines to avoid malfunctions of the LED PCB.

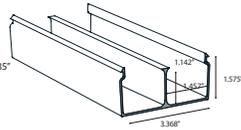
Mounting scheme with RIGID ALUMINUM OUTER CASE WITH DRIVER



Countersunk screw to fix the product to the installation plane



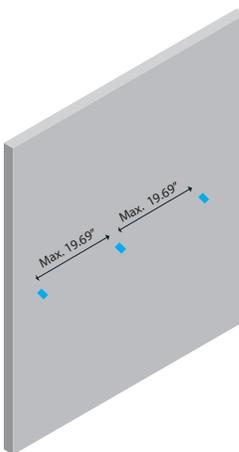
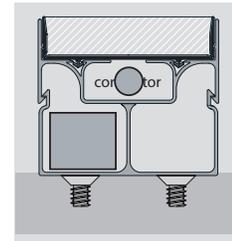
PRO1-AL-80x20-AL
Aluminum outercase to press-in the LED strip



PRO2-AL-80x20-AL
Aluminum outercase to press-in the LED strip

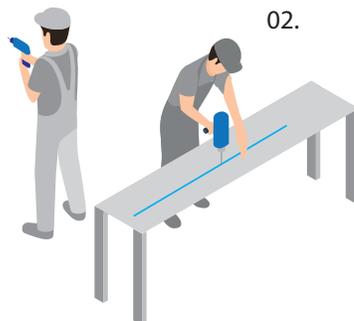


LED strip extruded in flexible PVC and treated with polyurethane resin



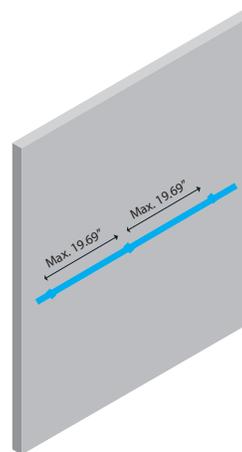
01.

1. Prepare the screw inlet by drilling the installation plan.



02.

2. Pre-drill the aluminum outercase with the selected screw diameter.



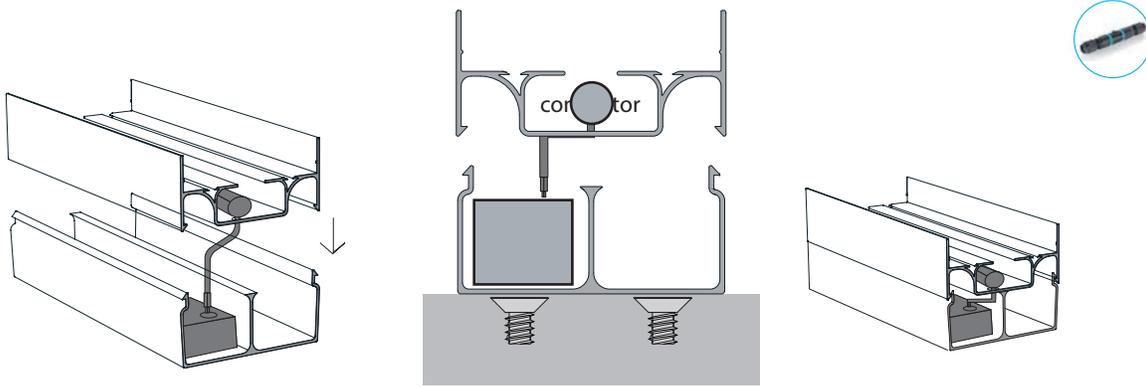
03. By placing the aluminum outercase on the installation plane, fasten it to the same with the countersunk screw.

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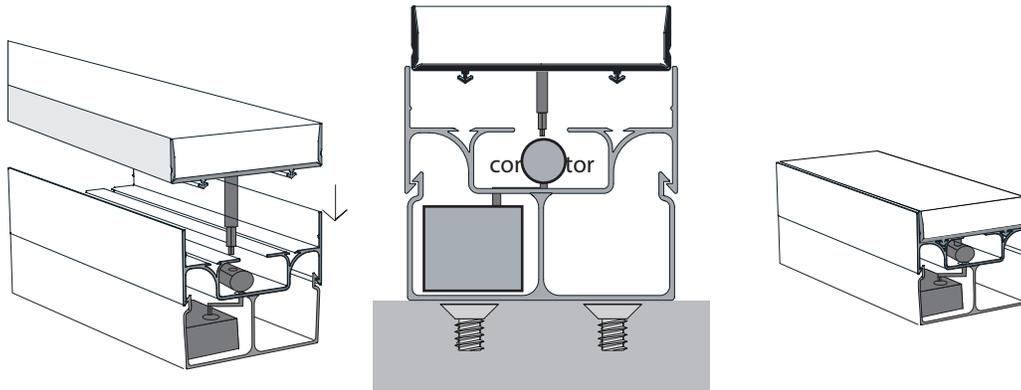
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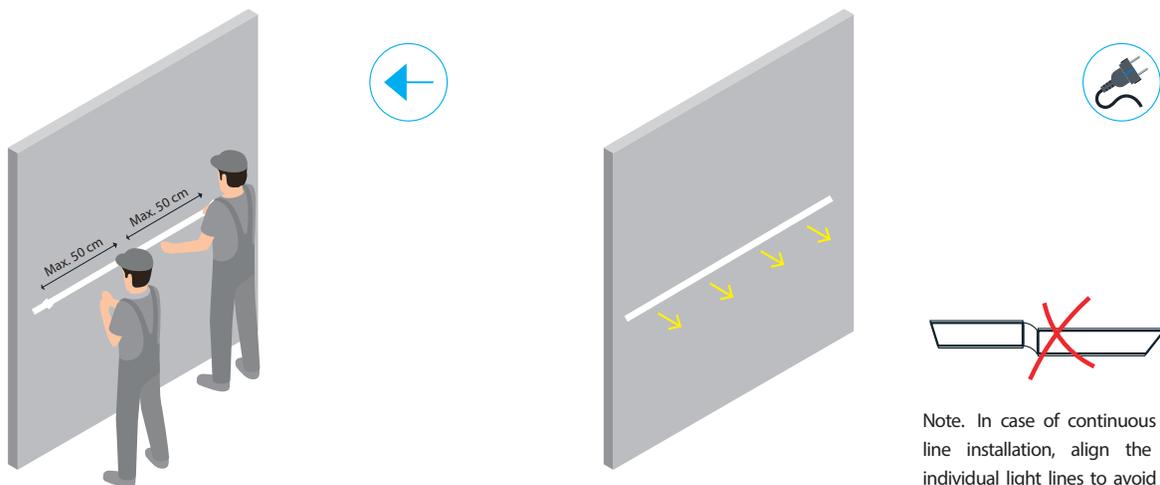
installation instructions



04. Connect the connector to the driver and fit the two aluminum profiles together



05. Connect the LED strip to the connector.



06. Enter the LED strip in the aluminum outercase by pressing.

07. Connect.

Note. In case of continuous line installation, align the individual light lines to avoid malfunctions of the LED PCB.

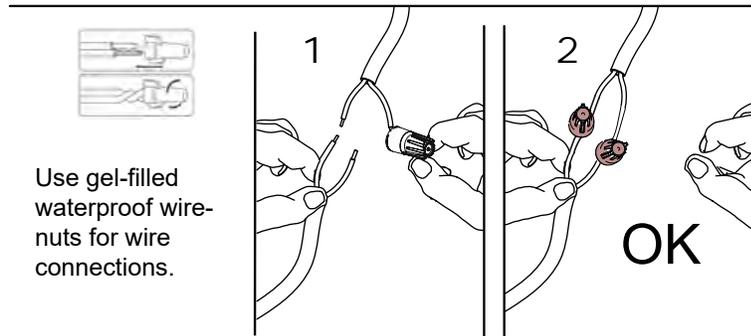
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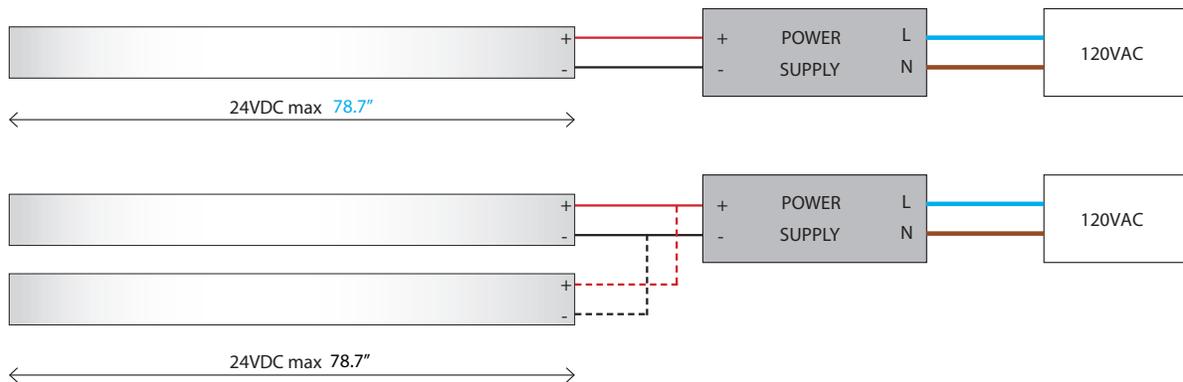
installation instructions

FOR POWER SUPPLY CONNECTOR



Electrical connection scheme

Single end connection, 24VDC max 78.7"



Connection between profiles: continuous line configuration

