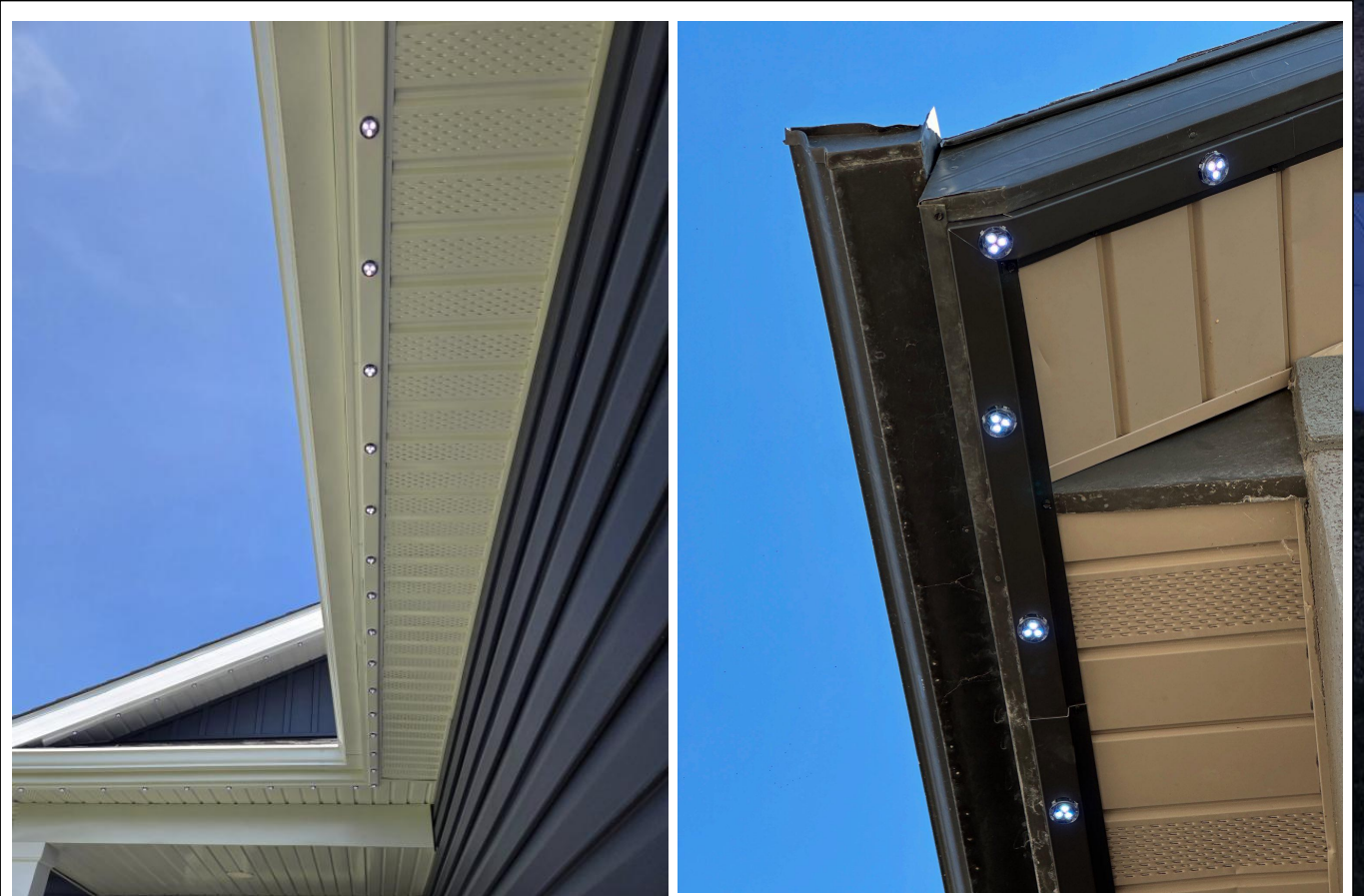
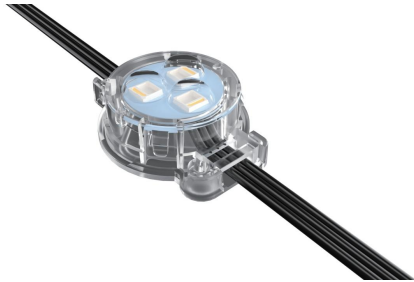


Andysom Permanent Lights

INSTALLATION INSTRUCTION



The accessories we need to prepare



Single light string – Easy to replace.

5-light string – Easy to install.

Female/Male Connector

Used to reconnect cut sections of the light string, or to adapt to other products.



Extension Cable (Jumper)

Used to extend wiring or to span across a section where no lights are needed.

T Connector

Used for power injection when the light string reaches its maximum load on one side, allowing for longer runs.





Y Connector

Used to split one signal/power line into two separate runs (one input, two outputs).

Signal Booster

Used to amplify the signal. Required when the distance between the controller and the first light exceeds **10 meters (≈33ft)**, or when the distance between two lights exceeds **5 meters (≈16ft)**. Place the signal booster before the extension cable.



Aluminum Profile

The main mounting channel for installing, securing, and protecting the light strings. Colors can be customized to match the house. Please refer to the **RAL color chart** for color codes.

Controller

Available with 350W or 600W power supply, supporting approximately **300 lights** (350W) and **500 lights** (600W) maximum. Equipped with two output ports and two power injection ports. Smart control via App.

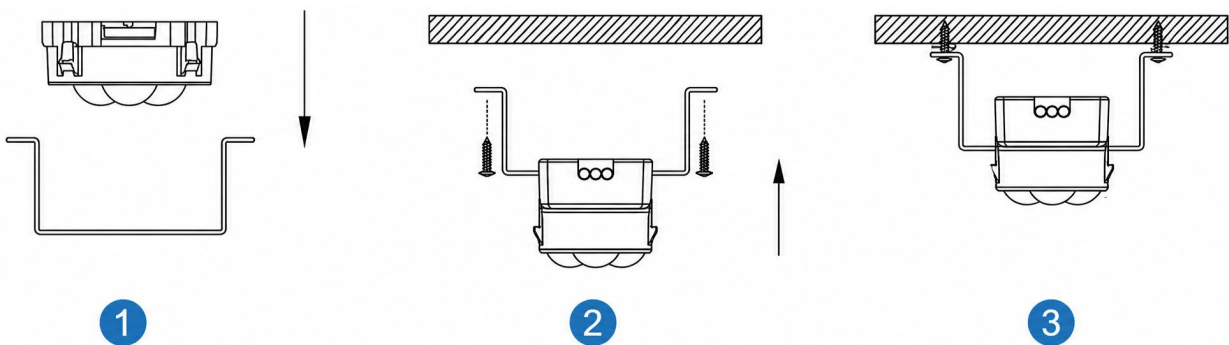


Step- by- Step Installation Guide



First, insert the light string into the track. The assembly is complete when the four clips on the light housing snap securely into the mounting holes on the track.

Note: The track does not come with pre-drilled screw holes on the side. When installing, simply use a power drill to drive screws directly into the track for fixation.



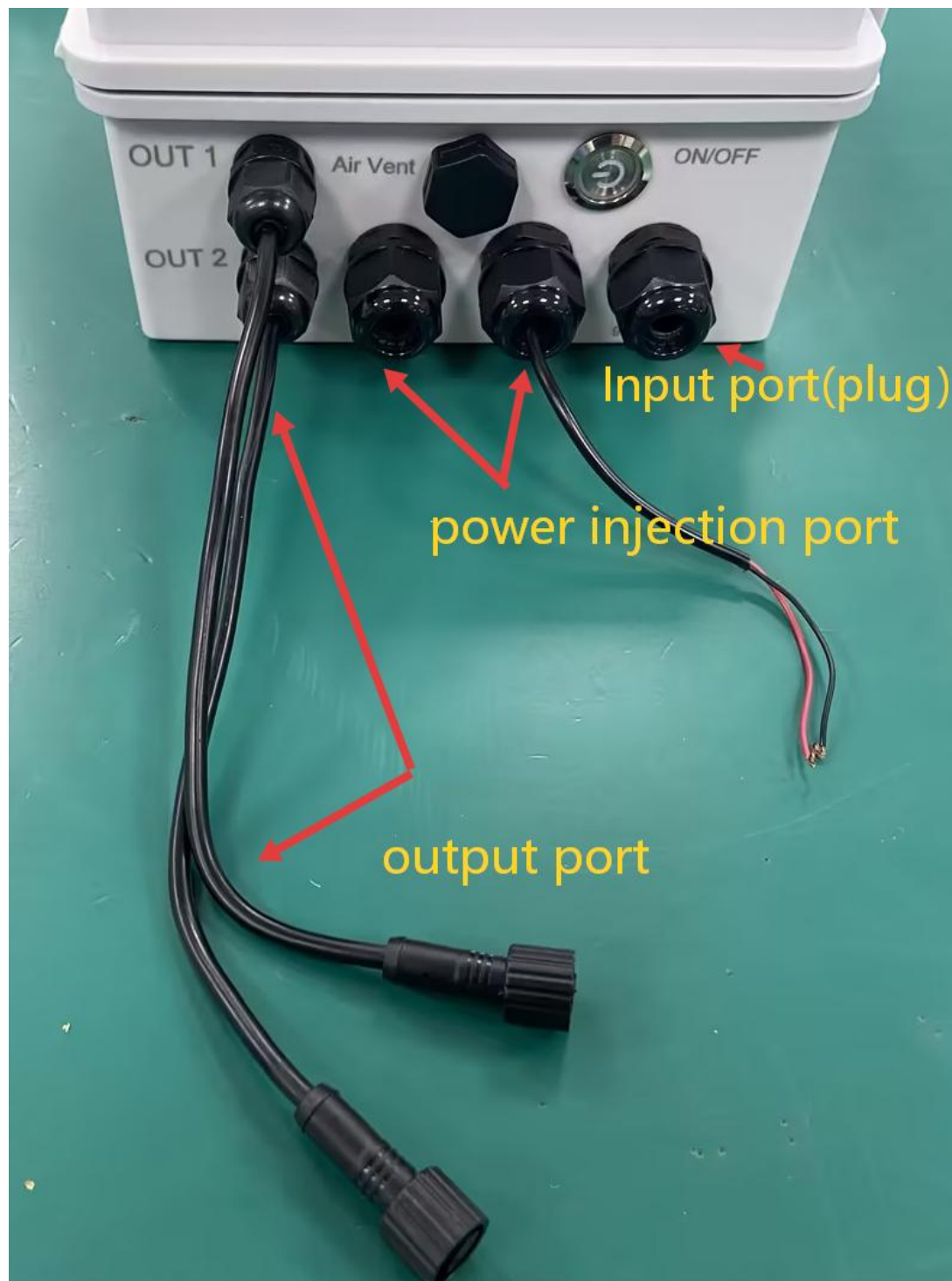
As shown: Once the light string is inserted into the track, drill screws through the side tabs of the track to fix the assembly securely to the wall.

Power Injection Guide for C5204 Permanent Lights

1.Our controller has two types of ports:

2 x Output Ports – Provide both power + signal. You can connect light strings directly to them.

2 x Power Injection Ports – Provide power only, used for voltage drop compensation.



For power injection, you will need:

A **2-core 1.5mm²** (positive + negative) power cable – equivalent to **AWG 16**. A standard positive/negative cable is fine. You can purchase it locally.

A T- connector (T- splitter).



Step-by-step instructions:

1. Connect the power cable to the controller and T-connector

Connect one end of the power cable to the positive (+) and negative (–) terminals of the controller's internal power supply and Connect the other end of the power cable to the T-connector (any standard waterproof electrical connector is acceptable).

Note: On the T-connector, the dashed line indicates the negative (–) wire; the other wire is positive (+).

2. Route the cable and install the injection point

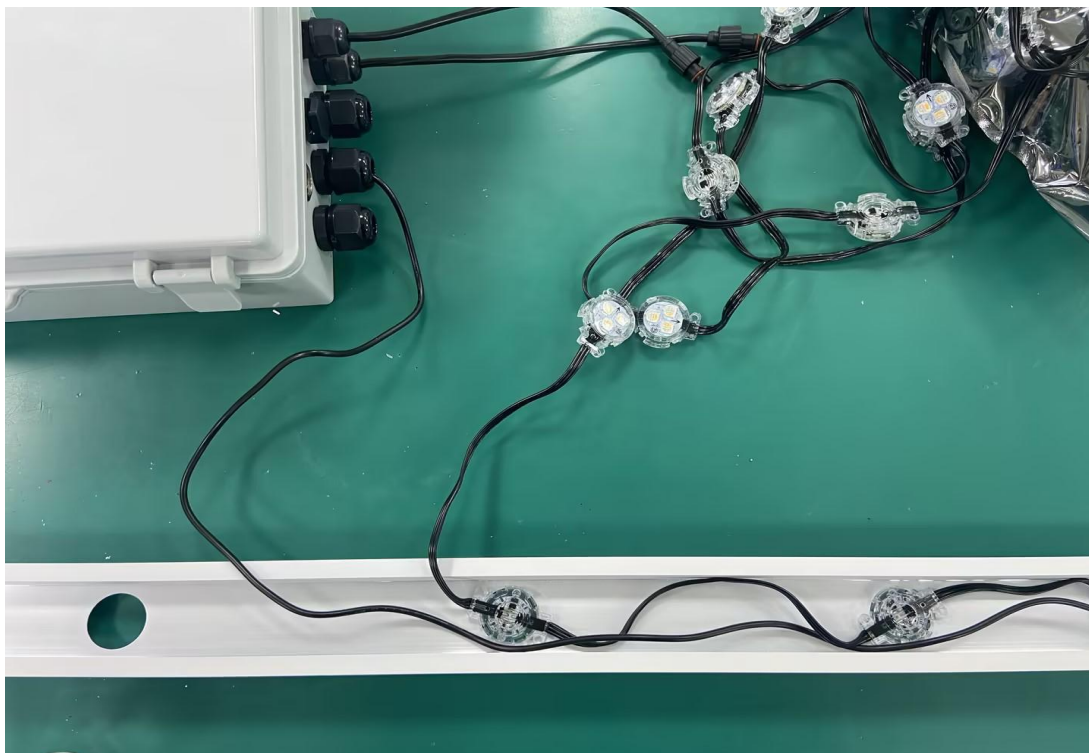
Run the power cable and T- connector along the light string inside the mounting track, all the way to the location where power injection is needed.

At that point, connect the T-connector to the light strings on both sides to complete the power injection.

Connect both ends of the power cable to the power supply and the T-connector.



Tuck the T-connector and power cable into the track.



Once you reach the point where power injection is needed, connect the T-connector to the light strings on both sides.





After completing the power injection, check that all connections are secure and properly waterproofed. Tuck the wires neatly inside the track to protect them and keep the installation clean and tidy. Then proceed with the remaining wiring steps according to the wiring guide below.

