

Model:

This installation manual is applicable to the AELS505- * series and AELS510- * series LED outdoor hard strip lights, where "*" includes information on different powers, control systems, light angles, color temperatures, and appearance colors of the lamps.

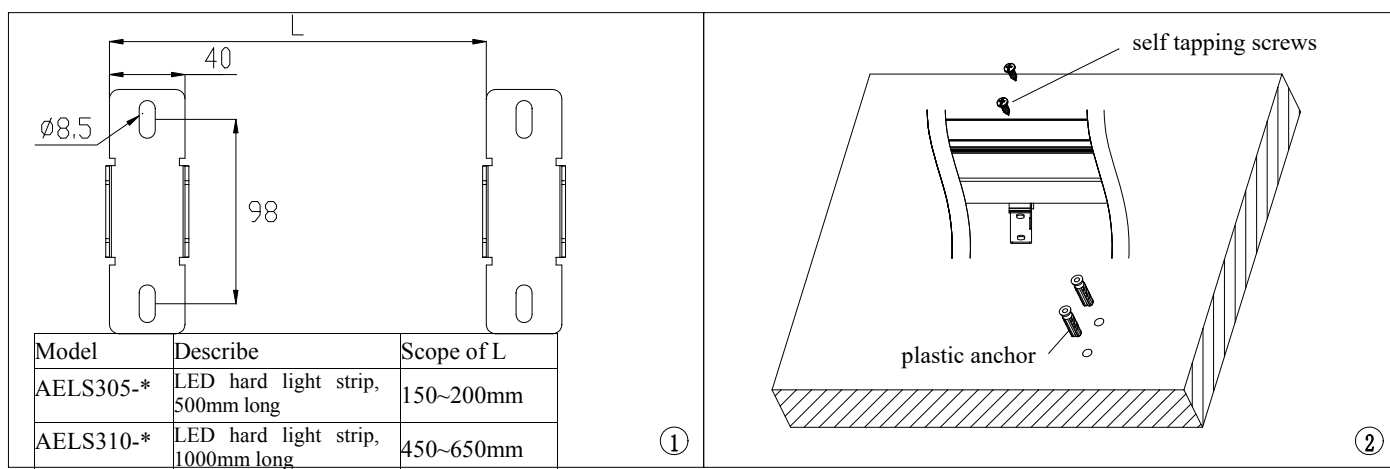
Installation Precautions:

1. Please read the instruction manual carefully before installation;
2. Please hire a professional electrician for installation;
3. To avoid the risk of electric shock, please confirm to turn off the power before installation and maintenance, and take protective measures at the output end during on-site construction;
4. Before installing the lighting fixtures, please confirm that the installation surface is firm and reliable to prevent the fixtures from falling;
5. Keep the instruction manual for reference only.

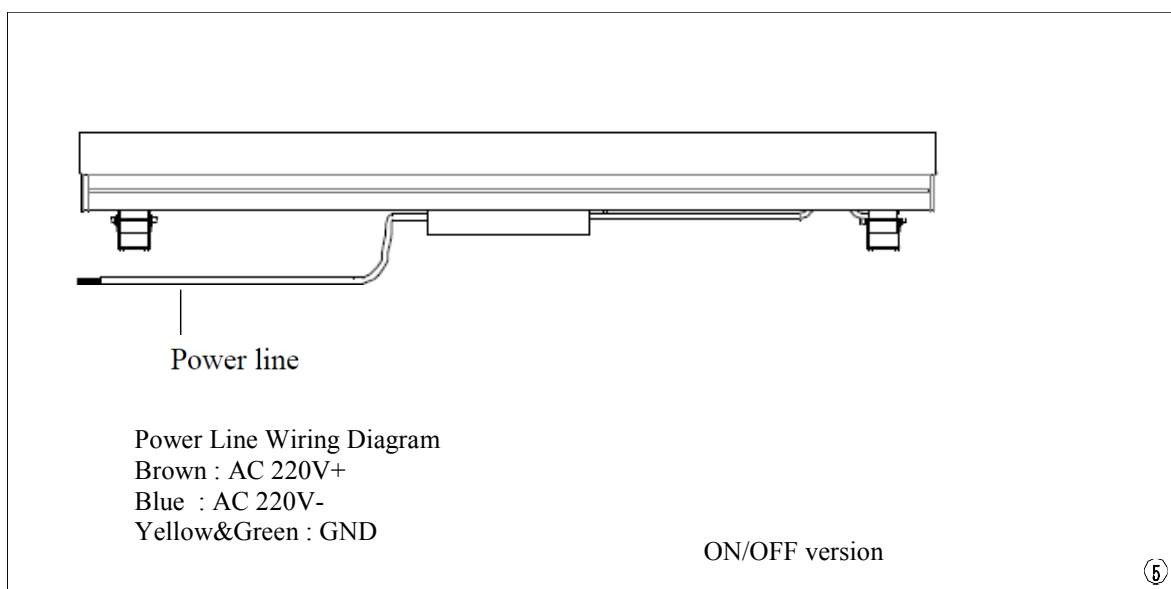
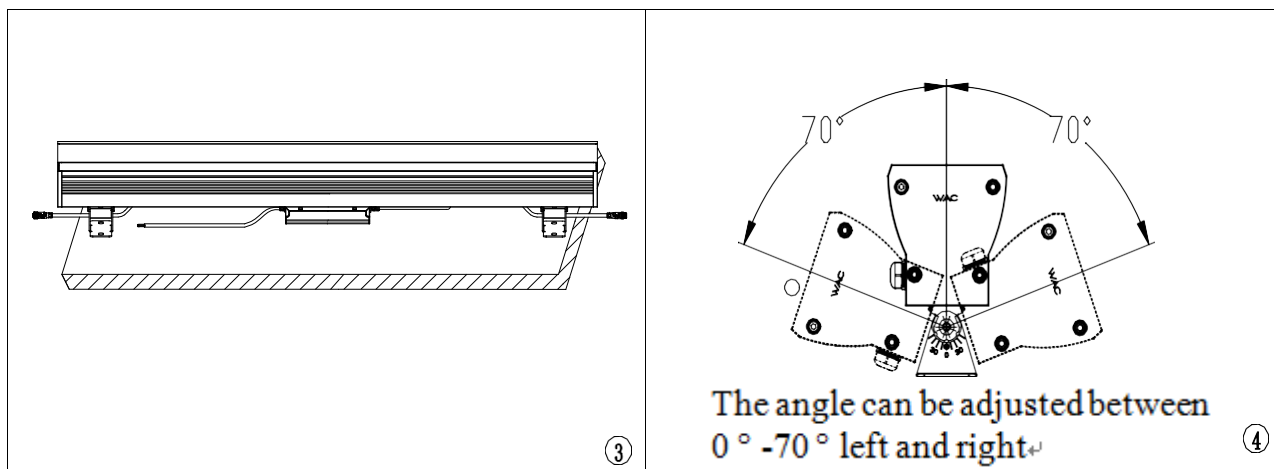
The product is designed with an IP66 waterproof rating and is not intended for submersion. Immersion in water may cause damage to the luminaire, so proper drainage must be ensured at the installation location. The product surface and its surrounding area should not be covered by debris (such as fallen leaves). It is recommended to clean the area at least once every three months.

Installation method and steps:

1. Rotate and fix the L-shaped stainless steel bracket to a certain angle. There are two installation brackets for the AELS505 and AELS510 series lamps, and the distance between the fixing holes of the brackets is shown in Fig 1 and Fig 2 (Self tapping screws and plastic geckos to be provided by the construction party);
2. Drill holes according to the position of the L-shaped stainless steel bracket, install plastic geckos, and lock the bracket with self tapping screws;
3. To install adjacent light strips, it is necessary to first wire and then drill holes, install plastic geckos, and then fix the lighting fixtures. The input end of the power cord of the lighting fixture should be wired according to the label on the wire, as shown in Figs 5 and 6.
4. **Wiring for Adjacent Light Bars:**
When installing adjacent light bars, ensure wiring is connected first.



5. Refer to the schematic diagram below for wiring of the lighting fixtures



DMX version

Signal cable female end

Signal cable male end

Power line

Power line

Power Line Wiring Diagram
Brown : AC 220V+
Blue : AC 220V-
Yellow&Green : GND

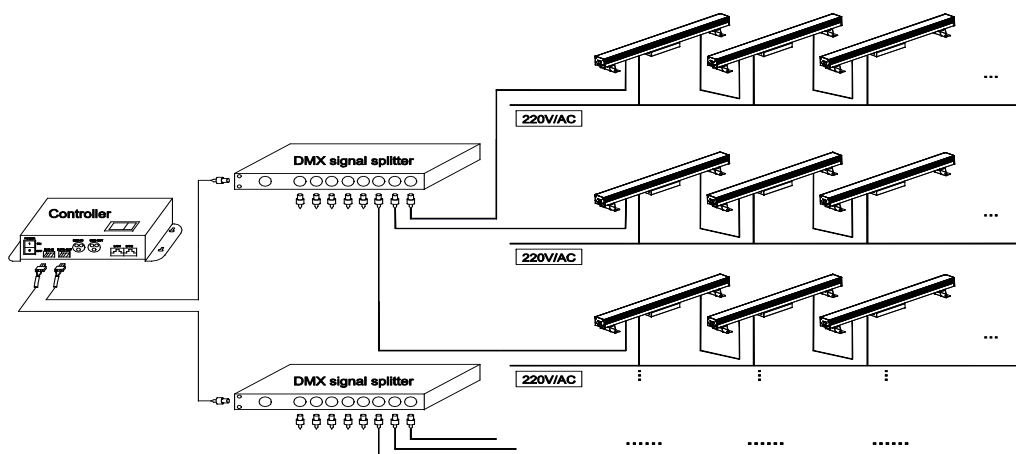
Label on female end of
signal cable

Input terminal:	Input terminal:
Blue: D+	Blue: D+
Chartreuse: D-	Chartreuse: D-
Brown: Pin	Brown: Pin
Black: Gnd	Black: Gnd

Label on male end of
signal cable

Output terminal:	Output terminal:
Blue: D+	Blue: D+
Chartreuse: D-	Chartreuse: D-
Brown: Pout	Brown: Pout
Black: Gnd	Black: Gnd

6. Wiring method for constant voltage 220V/AC DMX512 dimming lamps



Remarks:

The wire connection must use a waterproof junction box with an IP65 or higher rating, and the waterproof joints of the junction box must match the leads of the lighting fixtures. It is recommended that the AELS310-* series should not exceed 16 lamps, and the AELS305-* series should not exceed 32 lamps for each lighting fixture carried by the DMA signal amplifier.