vezalux

EWINDOW

Bring Sunshine to Life

User Manual

EWINDOW USER MANUAL

Dear users:

Thank you for using EWINLIGHT's products. Hoping our product will improve your user experience, make a better life for you.

Before operating the product, please read these instructions carefully to avoid any possible damage or accidents.

1. Introduction

EWINDOW is the first artificial daylight system, follows the features of daylight, presents us a very natural scene of blue sky, clear clouds and bright sunshine. It perfectly integrated the latest LED technology, optical design and intelligent control system. It's designed to be a panel light, easy to operate and mount.

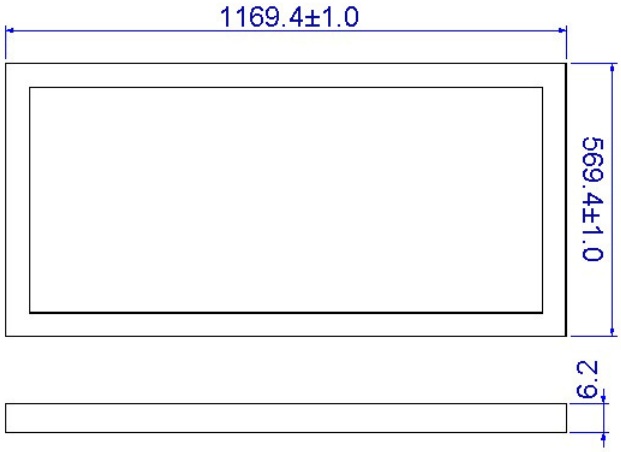
2. Safety Information

- No user serviceable parts inside. Speak with a skilled professional before attempting any repair.
- Disconnect from the power source before setting up or moving.
- Avoid direct eye exposure to the fixture when it is on.
- Make sure the power supply voltage is consistent with this light. 90V-277V, 50HZ/60HZ.
- This light is designed for indoor use, Working temperature should be -20□- 40□.
- IP50, do not used product in very humid environment.
- Before mounting EWINDOW, make sure the position you mounting is able to sustain enough weight.
- The fixtures require to be mounted in a place with adequate room for ventilation.
- Make sure there are no flammable or explosive items with 0.6m of fixture.
- Grounding is important for proper fixture operation.
- When moving, mounting or store EWINDOW, do not apply force on the front toughened glass.
- Do not store the product up to three layers.

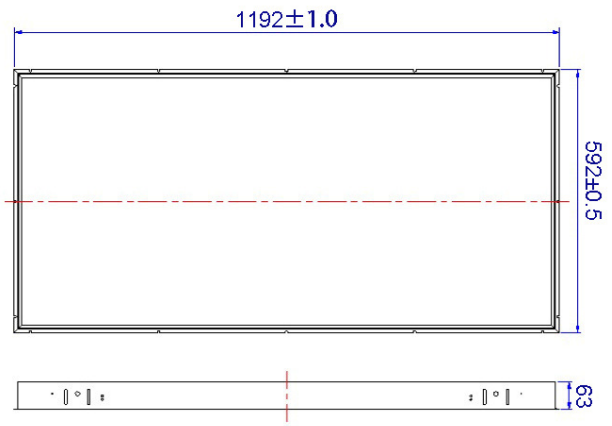
3. Mounting Instruction

3.1 Recessed mounting instruction

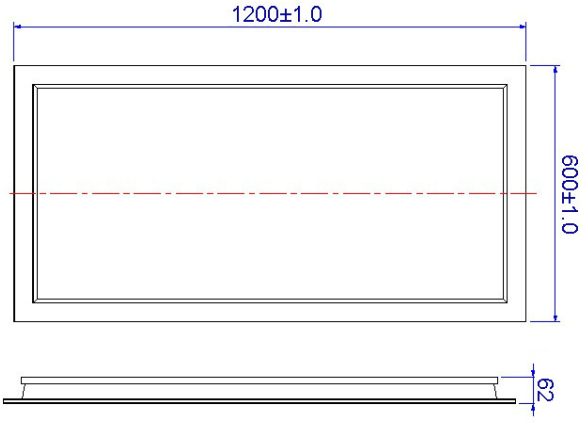
3.1.1 Dimensions (Unit: mm)



Dimensions of EWINDOW



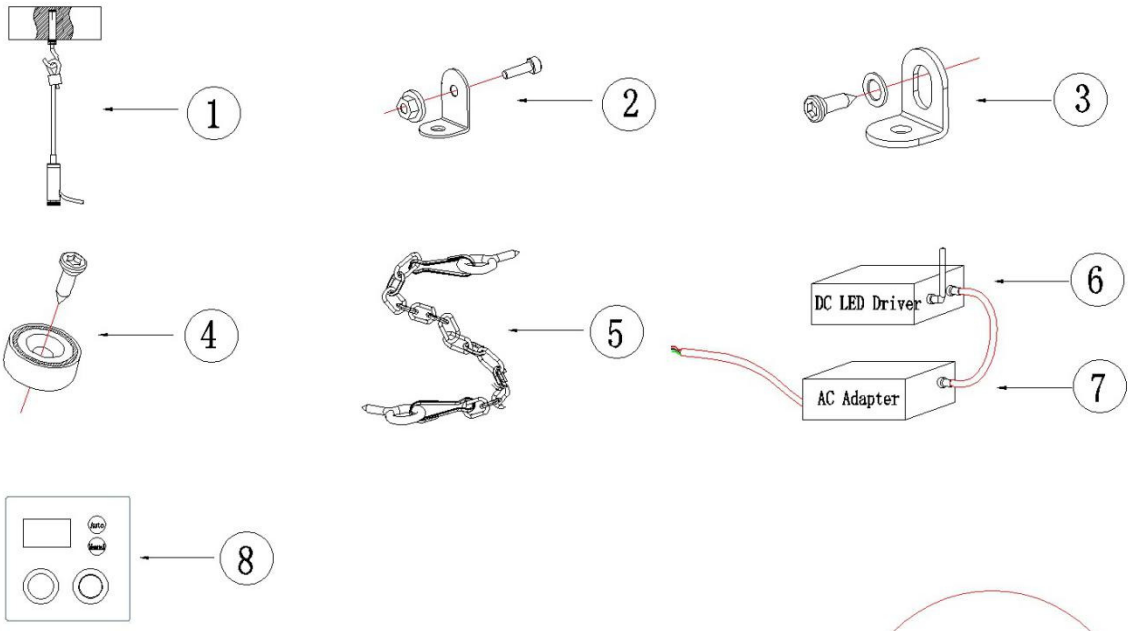
Dimensions of holding frame



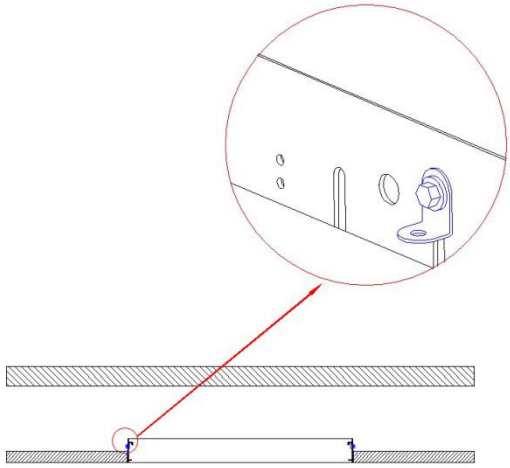
Dimensions of front frame

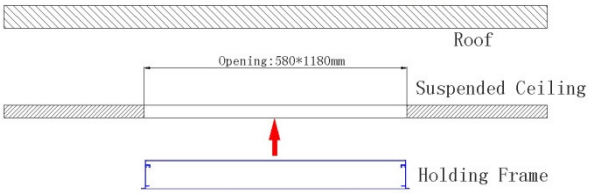
3.1.2 Packing list

No.	Items	Details	Quantity
1	Steel string components	Expansion bolt+hanger+steel string	4 sets
2	Stainless corner bracket	Corner bracket+M5 cross-head screw+M5 nut	8 sets
3	Carbon steel corner bracket	Carbon steel corner bracket+KA4*10 screw+M5 gasket	4 sets
4	Magnet components	D16 Magnet+KA4*14 screw	4 sets
5	Steel chain components	Steel chain+2 retaining rings	2 sets
6	AC adapter	HLG-240H-48A, size: 235*68*39mm	1 set
7	DC LED driver	EW-REP240-48V5A, size:230*69*39mm	1 set
8	Control panel	Size: 86*86*36mm	1 set



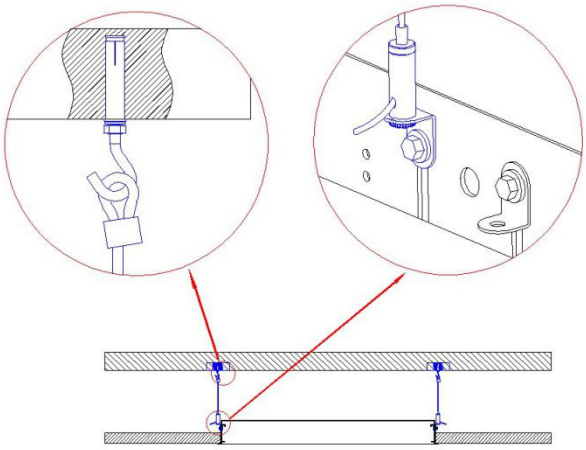
3.1.3 Recessed Mounting Procedure

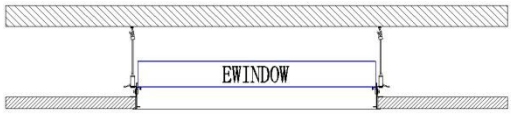




First: Open a 580*1180mm hole on suspended ceiling, and drill four Φ10mm holes on roof.

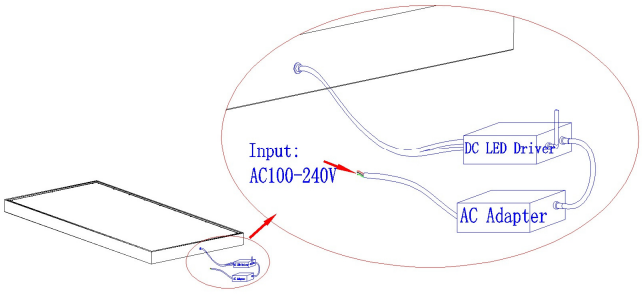
Second: Fixed holding frame on the suspended ceiling by 4 stainless corner brackets .

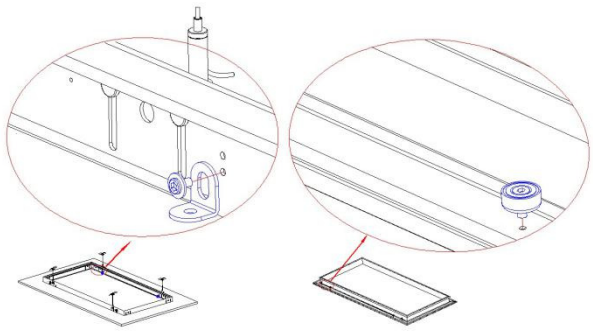




Third: Hang up the holding frame to the roof by 4 sets of steel string components

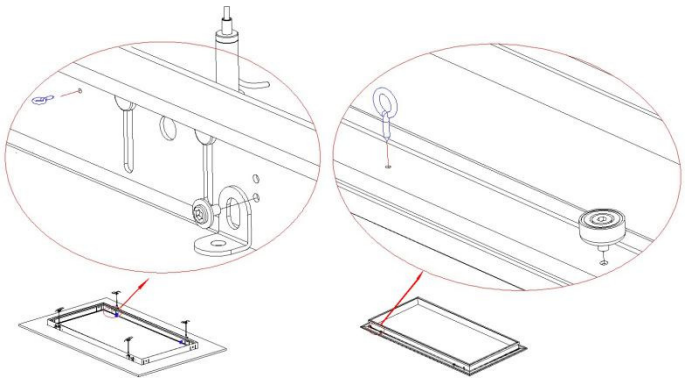
Fourth: Mount EWINDOW on holding frame.



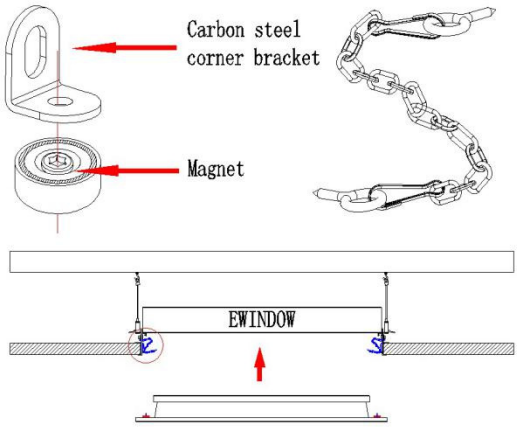


Fifth: Connect AC Adapter and DC LED Driver to EWINDOW

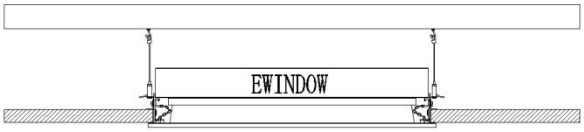
Sixth: Fix 4 Carbon steel corner brackets on holding frame and 4 magnet on front frame.



Seventh: Fix 2 retaining rings on opposite angles of holding frame and 2 on front frame in corresponding side.



Eighth: Lockup the steel chain by the retaining rings on front frame and holding frame, then fix front frame by magnet and carbon steel corner brackets.



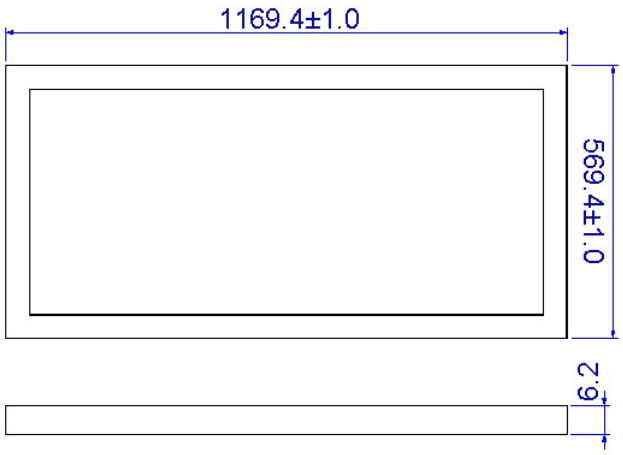
Ninth: Finish the mounting

3.1.4 Cautions of recessed mounting:

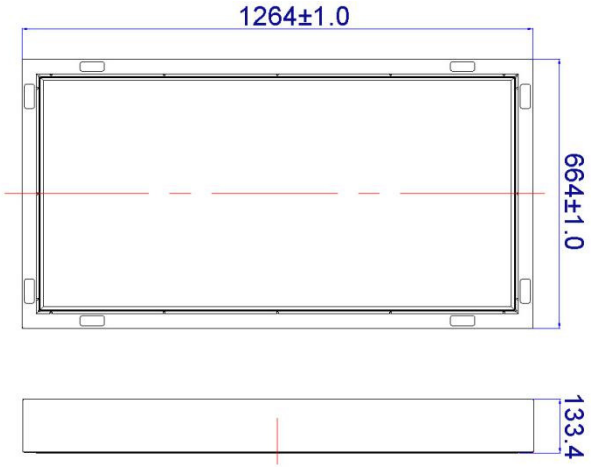
- Check the firmness of the mounting place, make sure the weight capacity is enough.
- The minimum distance between suspended ceiling to roof is 180mm for mounting.
- Don’t apply force on the front toughened glass.
- Maintain the steel strings in equilibrium during mounting.
- When install front frame, make sure that the magnet on front frame and the carbon steel corner bracket on holding frame is attracted tightly.
- When install front frame, make sure that steel chain have connected holding frame and front frame. It’s a precaution of safety.

3.2 Surface mounting instruction

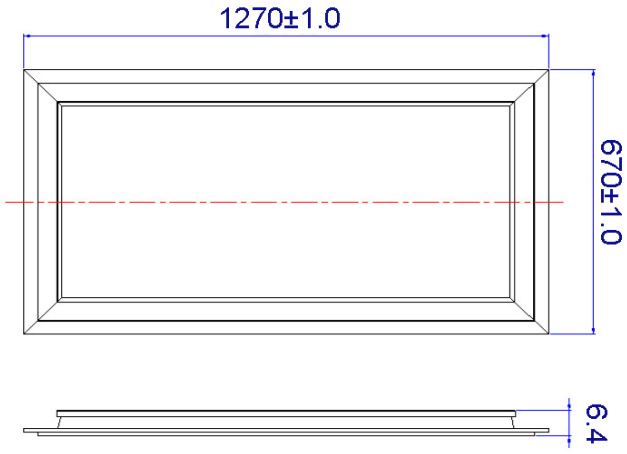
3.2.1 Dimensions (Unit: mm)



Dimensions of EWINDOW



Dimensions of holding frame

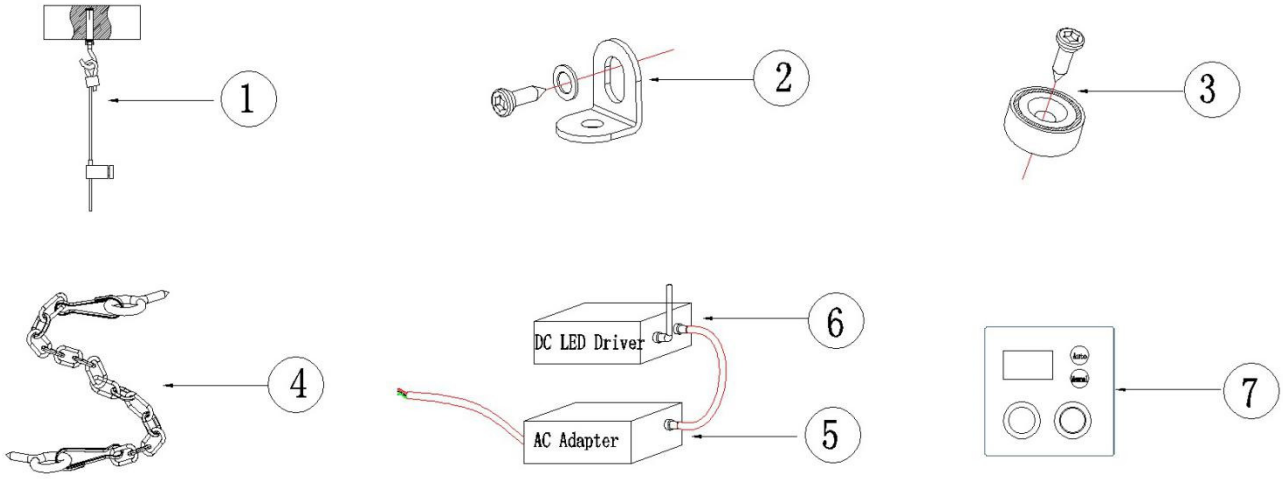


Dimensions of front frame

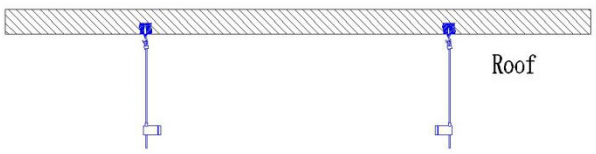
3.2.2 Packing list

No.	Items	Details	Quantity
1	Steel strings components	Expansion bolt+hanger+steel string	4 sets
2	Carbon steel corner bracket	Carbon steel corner bracket+KA4*10 screw+M5 gasket	4 sets

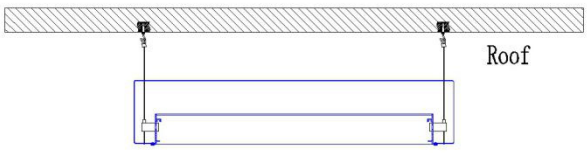
3	Magnet components	D16 Magnet+KA4*14 screw	4 sets
4	Steel chain components	Steel chain+2 retaining rings	2 sets
5	AC adapter	HLG-240H-48A, size: 235*68*39mm	1 set
6	DC LED driver	EW-REP240-48V5A, size:230*69*39mm	1 set
7	Control panel	Size: 86*86*36mm	1 set



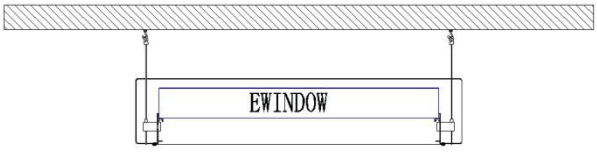
3.2.3 Surface Mounting Procedure



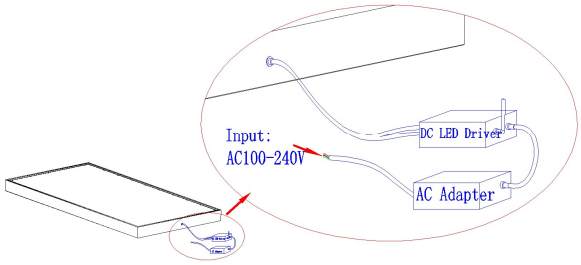
First: Drill four Φ10mm holes or roof (4 points of rectangle 624*916mm). And fix 4 steel strings.



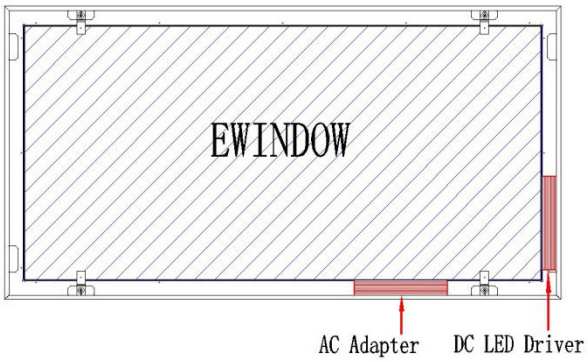
Second: Fix holding frame on steel strings.



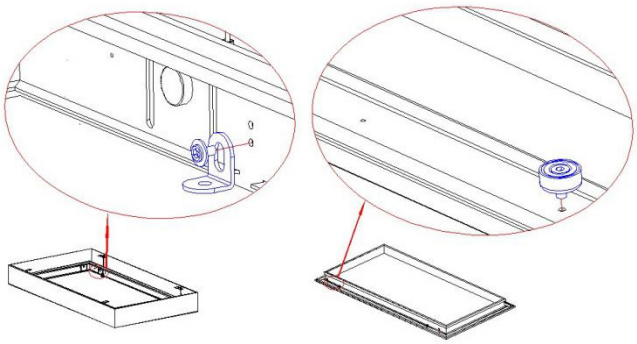
Third: Mount EWINDOW on the holding frame.



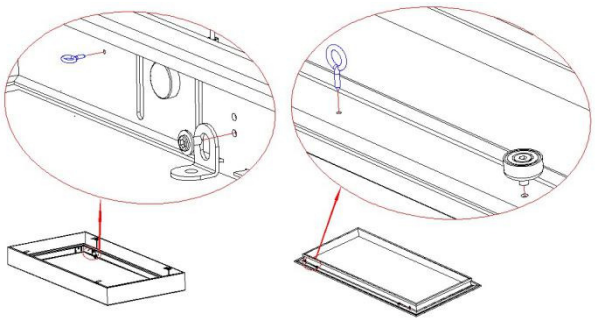
Fourth: Connect AC Adapter and DC LED Driver to EWINDOW.



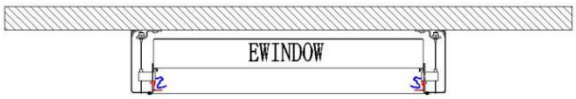
Fifth: Put AC Adapter and DC LED Driver inside the holding frame.



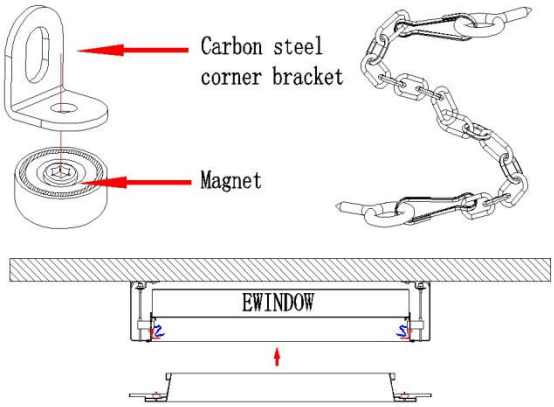
Sixth: Fix 4 Carbon steel corner brackets on holding frame and 4 magnets on front frame.



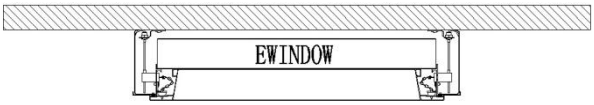
Seventh: Fix 2 retaining rings on opposite angles of holding frame and 2 on front frame in corresponding side.



Eighth: Pull steel strings to adjust mounting height. Then hide the steel strings to the holding frame.



Ninth: Lockup the steel chain by the retaining rings on front frame and holding frame, then fix front frame by magnet and carbon steel corner brackets.



Tenth: Finish the mounting

3.2.4 Cautions of surface mounting:

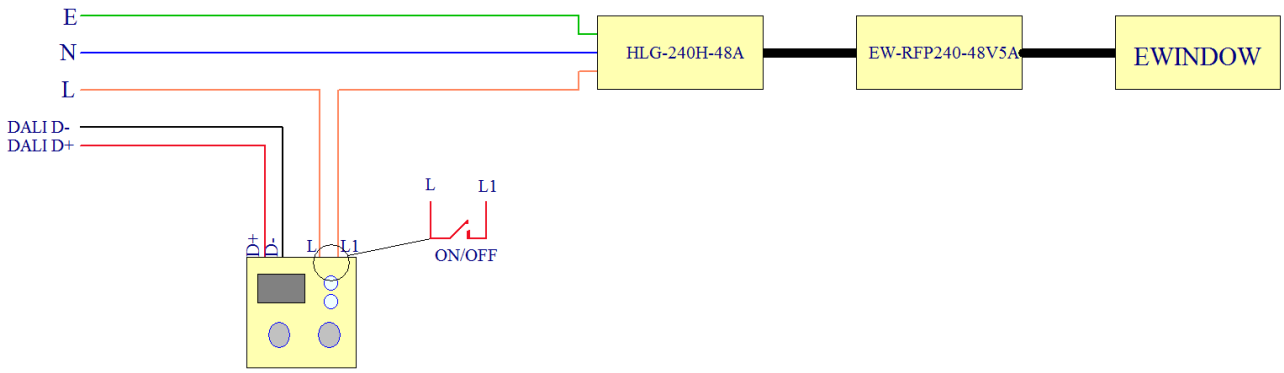
- Check the firmness of the mounting place, make sure the weight capacity is enough.
- Orientate the position before drill hole on the roof.
- Don’t apply force on the front toughened glass.
- Keep holding frame stable When mount EWINDOW.

- Maintain the steel strings in equilibrium during mounting.
- When install front frame, make sure that the magnet on front frame and the carbon steel corner bracket on holding frame is attracted tightly.
- When install front frame, make sure that steel chain have connected holding frame and front frame. It’s a precaution of safety.

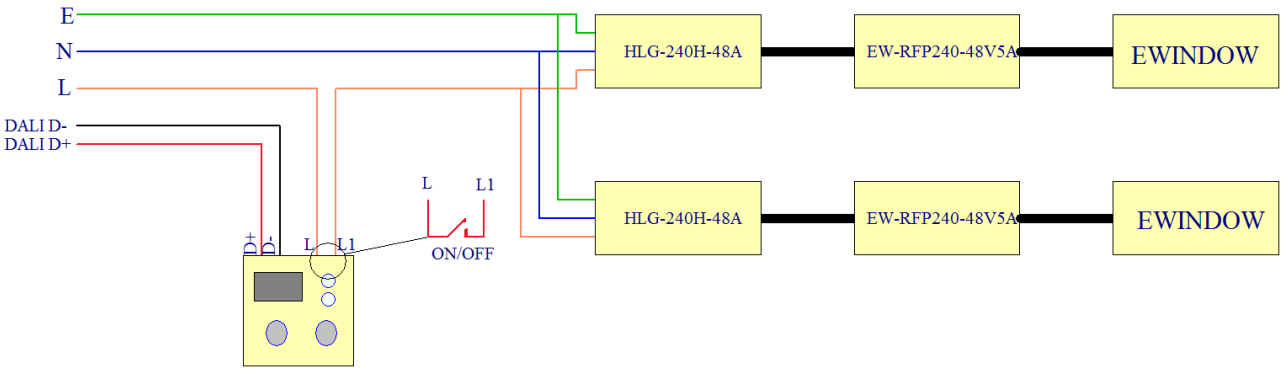
4. Circuit Diagram

4.1 Circuit Diagram

One EWINDOW

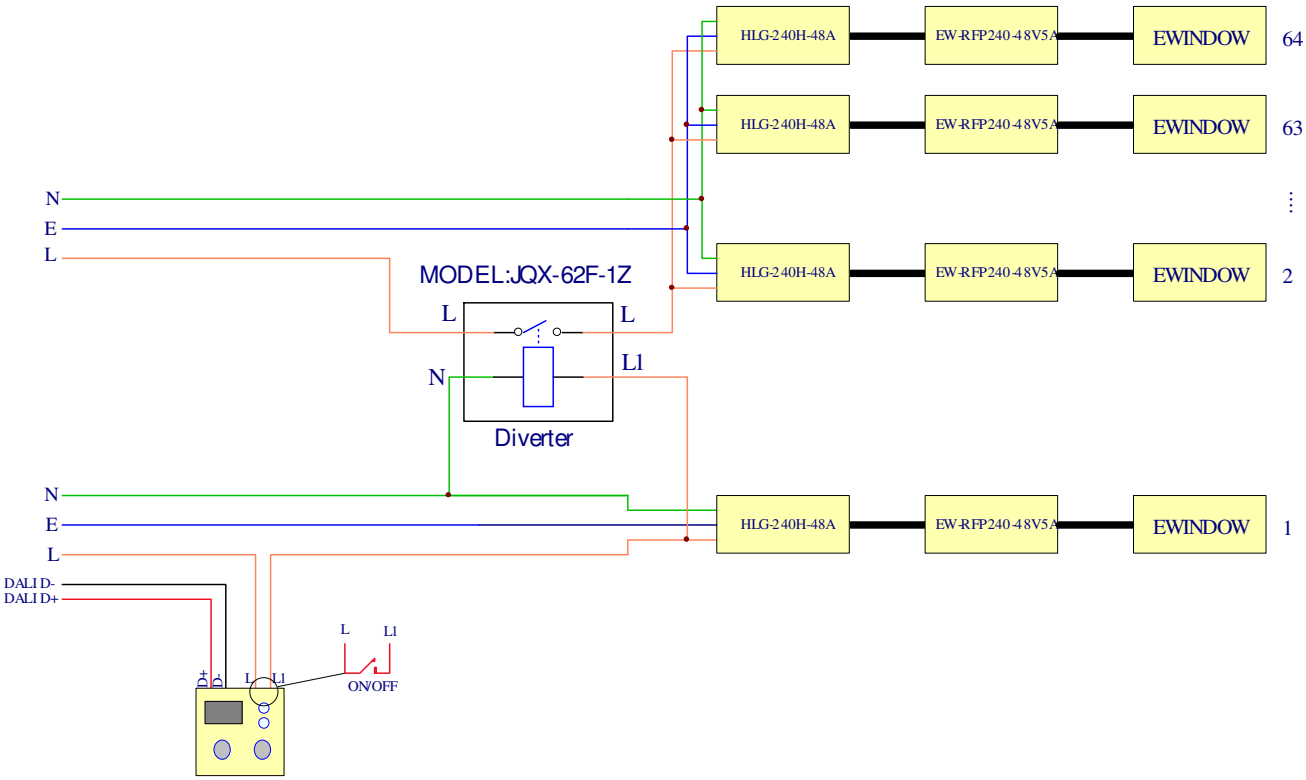


Two EWINDOW



- Note: If input voltage is 110V, one controller only can load one EWINDOW (because max current of controller is 3A).

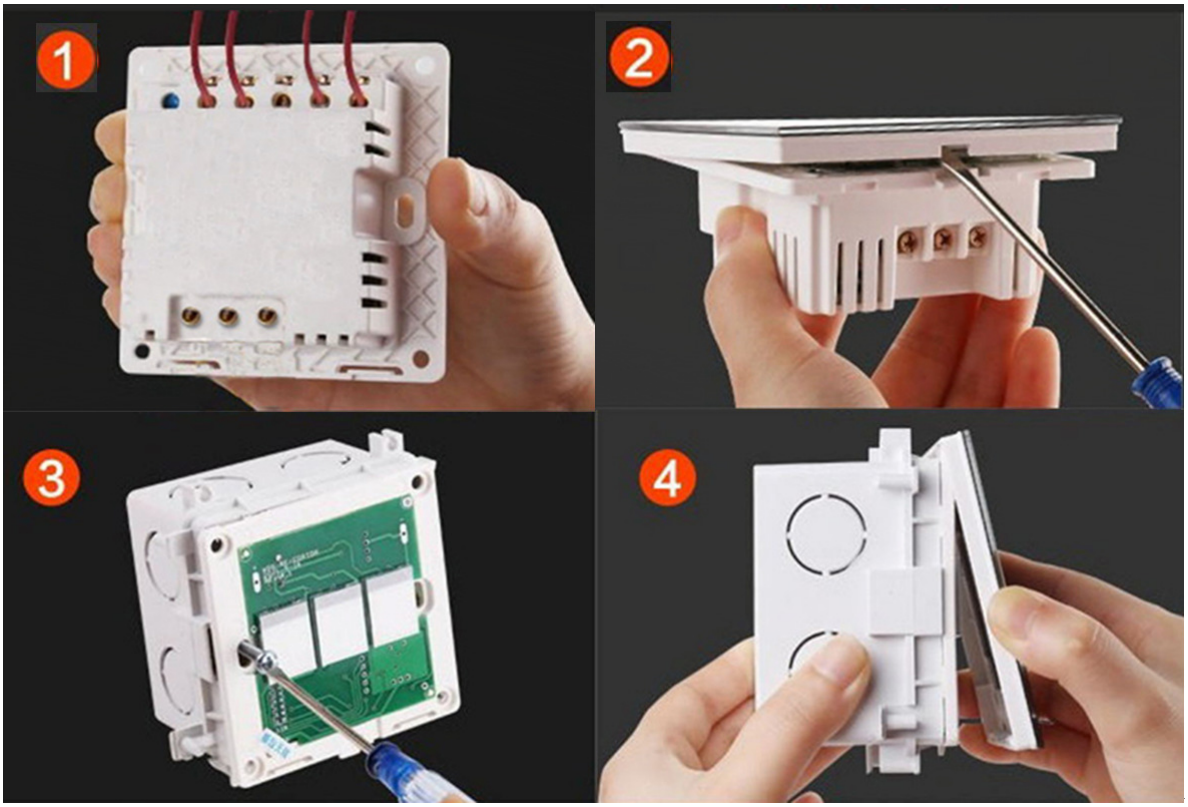
More than two EWINDOW



4.1.2 Cautions of circuit diagram

- A professional who holds electrician certificate is needed to connect the circuits.
- As shown in the figure above, the L line of the power grid is connected to the L of controller. The L1 of controller is connected to the L of AC Adapter. N, E line of the power grid is connected to the N, E of controller. If DALI system is used, D+ and D- of DALI is connected to the D+ and D- of controller respectively. If don't use DALI, keep the D+ and D- of controller unconnected.
- If input voltage is 110V, one controller only can load one EWINDOW (because max current of controller is 3A).
- A diverter is needed if use multiple products.
- Prohibit the L, N line of power grid both connect to the controller.

4.2 Controller installing diagram



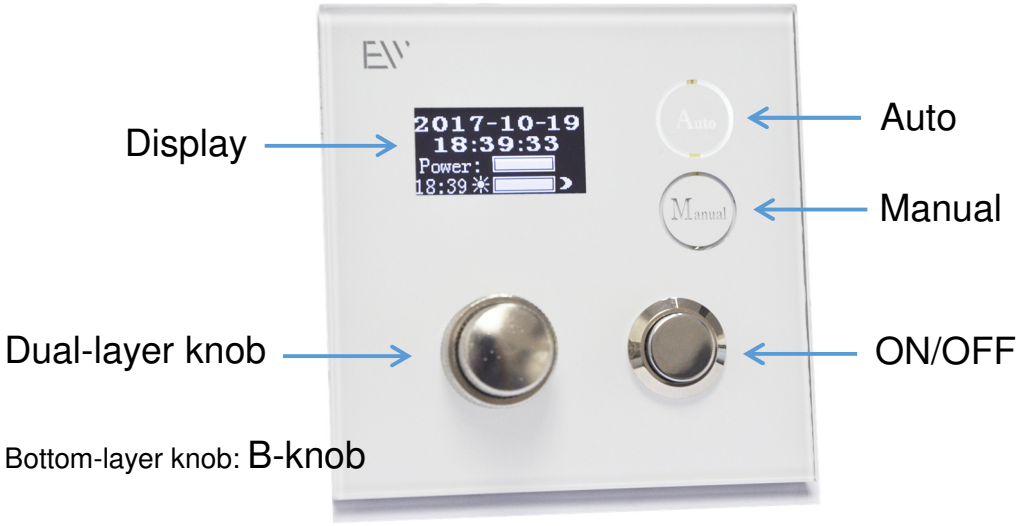
1. Connect the wires to controller.
2. Open the frontal cover.
3. Install the controller on the wall.
4. Lid the frontal cover.

4.3 Cautions of controller installation:

- Keep disconnection to the power grid, When connecting wires to controller.
- Open the frontal cover carefully, don’t harm the circuit inside.
- Do not install controller around big metal area to avoid the disturbance of wireless communication of controller.
- For a better wireless signal, keep the distance from controller to EWINDOW is less than 30m.

5. Controller Instruction

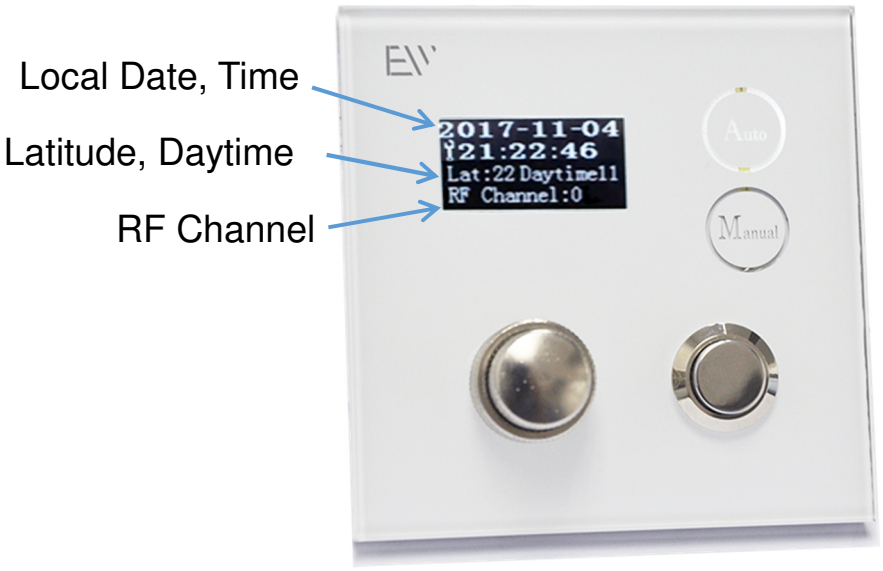
5.1 User Interface



5.2 Operation instruction

There are three user interfaces of the controller: System setting, Auto, Manual.

5.2.1 System Setting



Press “Auto” button, enter Auto mode. Then long press “Auto” button, enter system setting.

Setting:

Turn “B-knob” to select the settings which need to adjust.

Turn “T-knob” to change the settings that selected.

Local Date, Time: Set local date and time.

Latitude: Set local latitude

Daytime: After setting local date and latitude, daytime will show the duration of daytime. Adjust local date and latitude will adjust the duration of daytime. System will adjust lighting ambient cycle for different daytime.

RF Channel setting:

RF Channel: Each Controller control one group of EWINDOWS. If multiple groups of EWINDOWS are used. You need the corresponding amount of controllers. For the case of signal interference, you can set different RF channel for each group.

RF Channel setting procedure:

1. Turn on the controller and EWINDOWS, which need to set one channel, turn off other controllers and EWINDOWS.

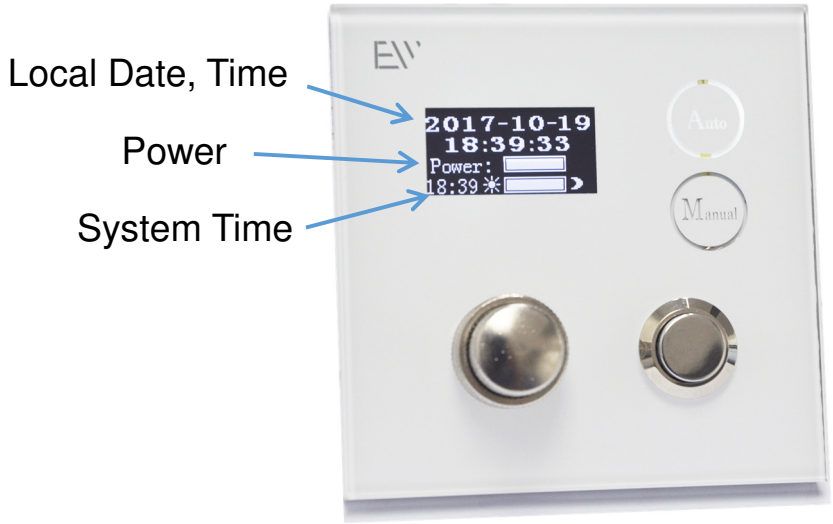
2. Select a channel that haven’t occupied.

3. Press “Manual” button to confirm.

Press “Auto” to exit system setting.

5.2.2 Auto Mode

Press “Auto” button, system will enter Auto mode. In this mode, system will synchronize lighting ambient to the real sun in 24 hours.

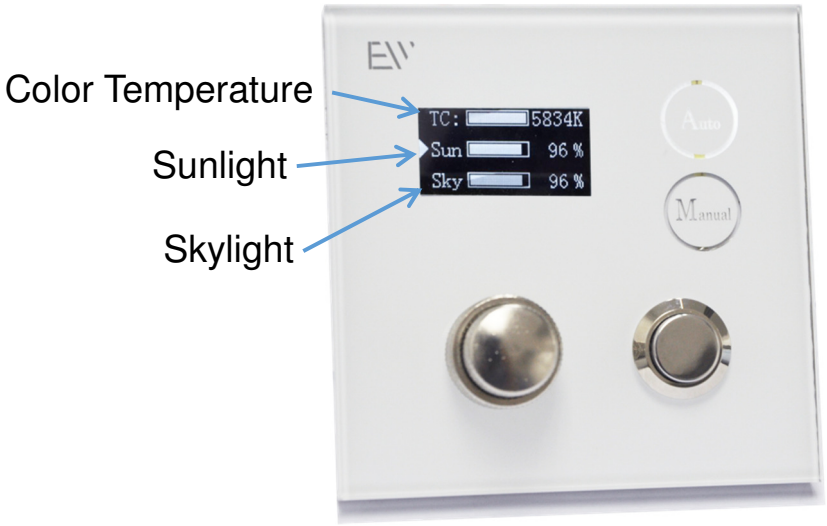


Power: Turn the “T-knob” to dim the brightness. Dimming range: 1-100%.

System time: Turn the “B-knob” to adjust system time to change lighting temperature. Lighting temperature changes over system time.

5.2.2 Manual Mode

Press “Manual” button, system will enter Manual mode. In this mode, you can change color temperature, brightness of sunlight and brightness of skylight.



Color Temperature: Turn the “B-knob” to adjust system time to change lighting temperature.

Sunlight: Press “Manual” button to choose sunlight, turn “T-knob” to dim the brightness of sunlight(direct light).

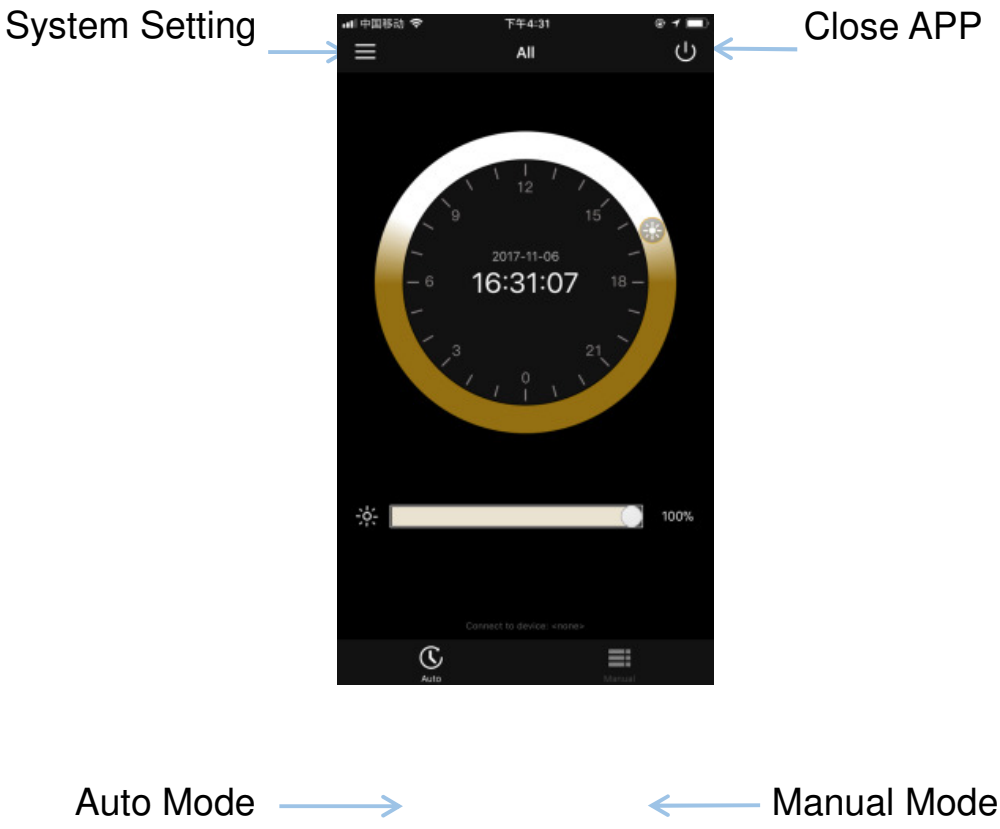
Skylight: Press “Manual” button to choose skylight, turn “T-knob” to dim the brightness of skylight(diffuse light).

6. APP Control Instruction

Download EWINDOW APP in Apple store or Google play.

EWINDOW APP support Android 4.3 or the version later, and IOS 9.0 or the version later.

6.1 APP Interface

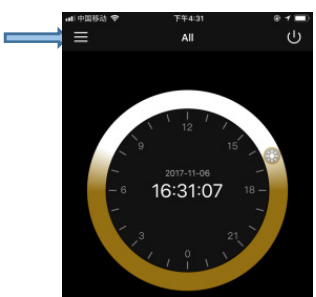


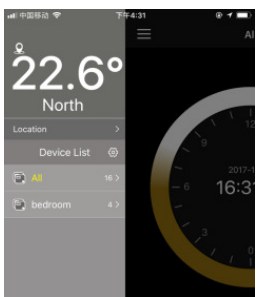
6.2 Connect APP to Controller

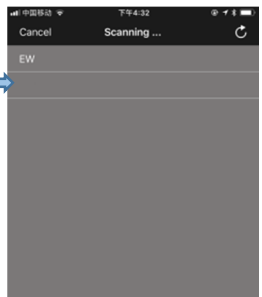
Open EWINDOW APP. Open bluetooth connection.

APP will synchronize the location, date, time to the controller. (If APP is not authorized to location information, the default location is 0 latitude).

Click system setting ⟹ Click Device List ⟹ Select a Device to connect, also you can rename it







When APP have connected to controller, controller will show as below:

Display in Auto Mode

Display in Manual Mode

Two way to exit APP control:

1. Close APP;

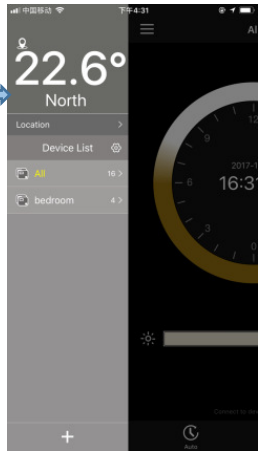
2. Press “Manual” button on controller.

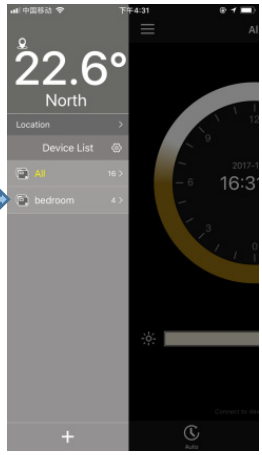
6.3 Operation Instruction

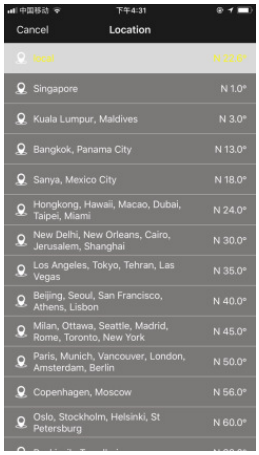
6.3.1 Set latitude

Click system setting → Click Location → Select a location with close latitude.

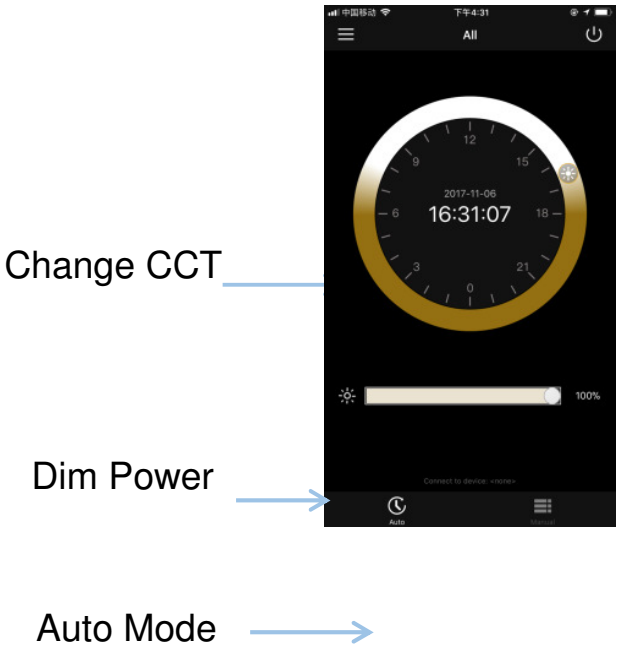
Latitude information



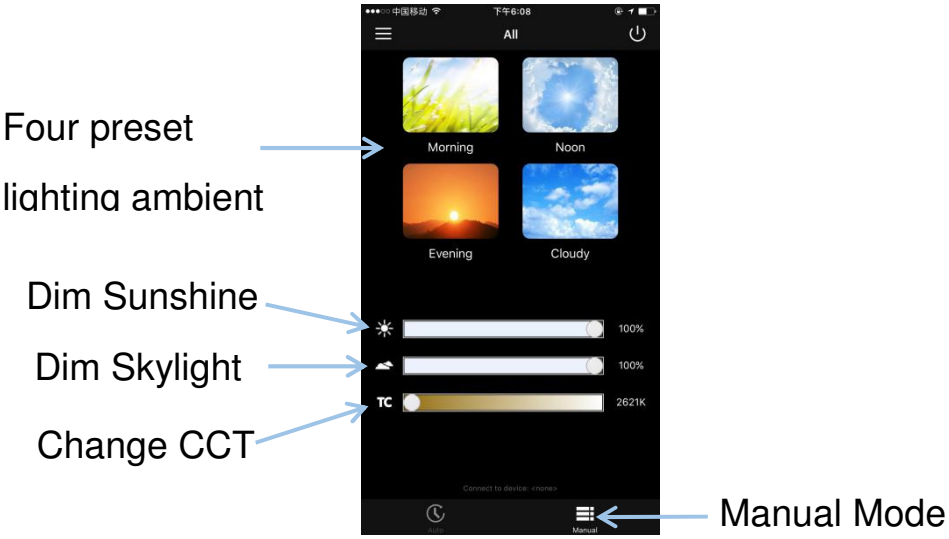




6.3.2 Auto Mode



6.3.3 Manual Mode



6.3.4 DALI Control

Connect DALI lines to the controller according to the circuit diagram.

DALI system can only be used in Auto Mode of Controller.

When DALI connected, Controller can still work, running program of lighting cycle. The Maximum power will be limited by DALI.