Grandview

Telescopic rod projector lift installation manual

Model: GPCD50 Series

Grandview
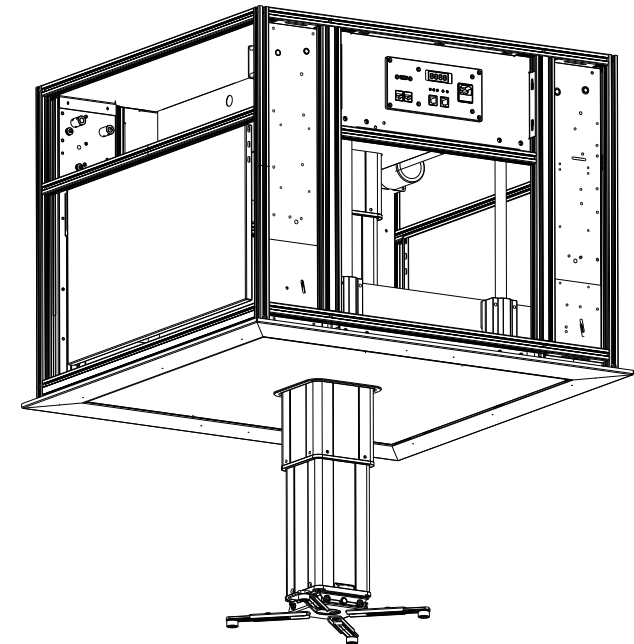
ISO9001：2000国际认证

Thank you for purchasing this product. Please read the manual carefully before use.
Please read the collection after reading for future reference.

FAQ

The design of this product can be used without failure for many years, many problems are caused by simple things. If something goes wrong, check out our simple fix list.If the problem continues, please contact the authorized dealer or call the after-sales service number: 020-84899499-509

Trouble	The cause of the trouble	The solution
The elevator is fully installed but not working properly	Positive and negative electrode of generator battery is installed backward or the battery power is insufficient	Check whether the battery is installed backward according to the instruction. If the fault is not removed, please replace the battery
	The power cord is not properly connected	Connect the power cord according to the instruction
Remote control doesn't respond	Bad reception/The signal block	Restart the lift power supply
Positioning confusion	Line problem	Contact factory or distributor
Layer board	Motor heating protection	Wait for motor cooling
Close the door shake	The adjustment screw becomes loose during transportation	Refer to picture 9 for a slight clockwise half turn
Open the door shake	The adjustment screw becomes loose during transportation	Refer to the yellow mark in picture 9 and turn it clockwise slightly for half a turn

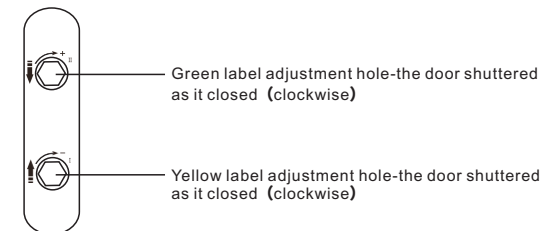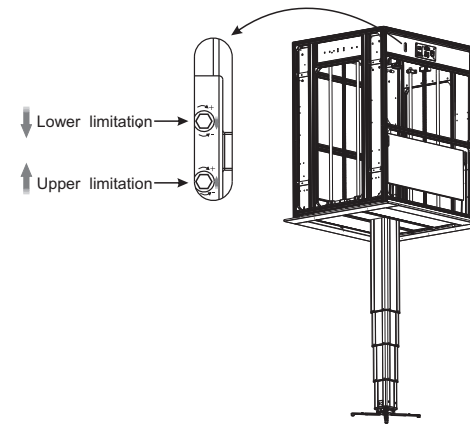Left and right corresponding door panel adjustment indication diagram:

Green label adjustment hole-the door shuttered as it closed （clockwise）

Yellow label adjustment hole-the door shuttered as it closed （clockwise）

Figure 9

Caution

1. **Please ensure the installation ceiling be secure enough to avoid falls, The loading capacity must be 4 times of the projector lift and the projector.**

2. Please tighten all the screws and check whether it become loose regularly, to ensure safety use.

3. Please do some regular maintenance.

A.When dirty mark there, please gave the lift a polish with a soft duster.

B. When dust there, please remove with soft brush.

4. Kindly suggest a specialist to manage this device, then ensure security and smooth use.

5. Please ensure the lift up and down via Remote control, no pulling with hands.

6. Always retract the lift to the ceiling after use.

7. Ensure the power outlet is connecting with grounding wire.

8.There is no need to add the lubricant to the motor. Do not regulate the motor by yourself, the motor is already in the right position before delivery, Please call a specialist to help you on this when it is in needed.

Lower limitation

Upper limitation

⚠	Please do read the caution, incorrect operation will cause accident and product damage.	❗	Please install the lift in the place with stronger loading capacity, otherwise accident may happen and falling risk there.
🚫	When the lift is fully lowered, the bottom of the lift should be no less than 1.8 meters away from the ground to avoid being touched by children。	🚫	Do not take apart the lift by yourself, Please call a specialist to help you on this when Fix and regulating job in needed
❗	Please always retract the lift to the ceiling after use, prevent the dust entering.		

Components

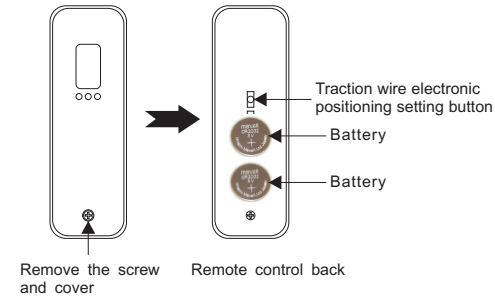### GPCD50 Series Projector Lift

1. Control panel
2. Electric ceiling door
3. Ceiling bezel
4. Telescopic Arms
5. Projector mounting Bracket

Control panel

Electric ceiling door

Ceiling bezel

Telescopic Arms

Projector mounting Bracket
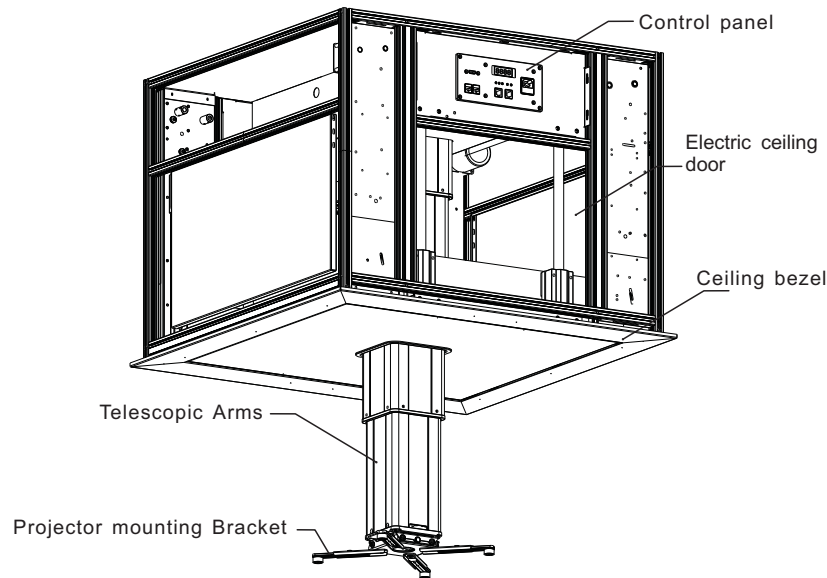
Accessories

■ A C 0 9 7 remote   1pcs   ■ Certification   1pcs   ■ Warranty Card   1pcs

■ Manual   1pcs   ■ 4x25 Cross head screw   4pcs   ■ 5x25Cross head screw   4pcs

■ 6x25Cross head screw   4pcs   ■ Φ 20x10washer   4pcs   ■ Hexagonal Adjuster   1pcs

■ Safety rope   4pcs

Traction wire electronic positioning setting button

Battery

Battery

Remove the screw and cover

Remote control back

Remote control Notes
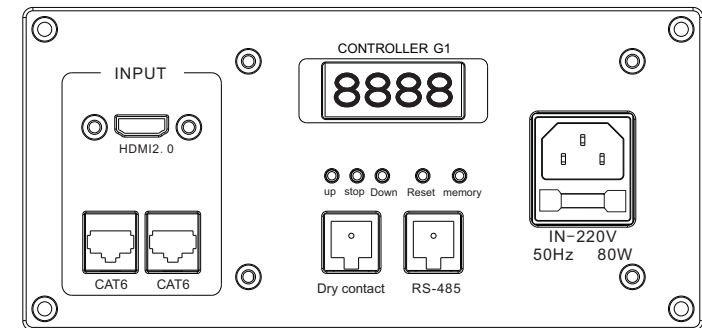
1. Working temperature: −20℃ to +70℃
2. Battery: 2 pcs of RC2032 button battery
3. Requires replacement battery when given signal weak
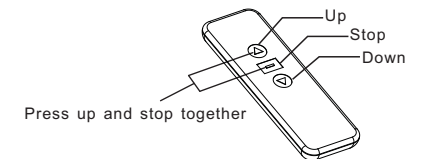
Battery installation:

When remote control signal weak, please replace it as following:
1. Remove screw and cover on the back of remote
2. Install battery in correct direction of positive and negative pole according to picture.
3. Reinstall cover and screw

Remote control learning mode

CONTROLLER G1

INPUT

8888

HDMI2. 0

up stop Down Reset memory

CAT6 CAT6

Dry contact RS-485

IN−220V
50Hz   80W

Picture 8

Up
Stop
Down
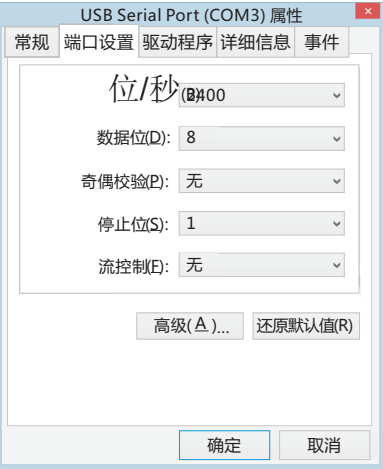
Press up and stop together

GPAD58 Series projector lift remote control pairing notice:

This product has learning and pairing function. Please enable learning function when first use remote to control the projector lift.
（This product has been paired and learned before EXW）

1. Picture 8, when projector lift is under loading status, long press stop on the control panel within 5 seconds after switched on. When number display screen flicker, this product is under learning mode.
2. Press up and stop on the remote control until the projector lift slight move upwards and downwards.
3. Test if the remote could control the product properly, if not, try to pair again.

Rs485 Port Setting:
Bit Rate：2400
Data bit：8 bit
Odd check：N/A
Stopping position：1

USB Serial Port (COM3) 属性 ×

常规 | 端口设置 | 驱动程序 | 详细信息 | 事件

位/秒(B)400
数据位(D): 8
奇偶校验(P): 无
停止位(S): 1
流控制(F): 无

高级(A)... | 还原默认值(R)

确定 | 取消

Hexadecimal control code:

UP：ff,ee,ee,ee,dd

STOP：ff,ee,ee,ee,cc

DOWN：ff,ee,ee,ee,ee
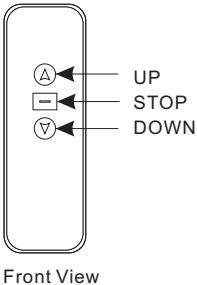
Some center console need setting address：ff,ee,ee,ee,aa

Notice：

1. When connecting via RS232 or RS485, if any control fails, please switch two controlling cable.

2. Connecting Loop Resistance Tester should not be over 20Ω
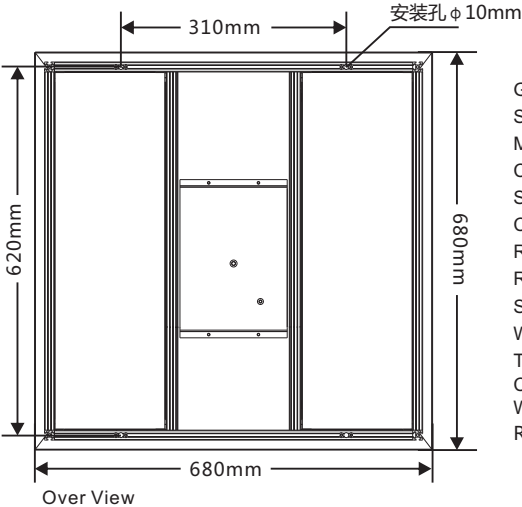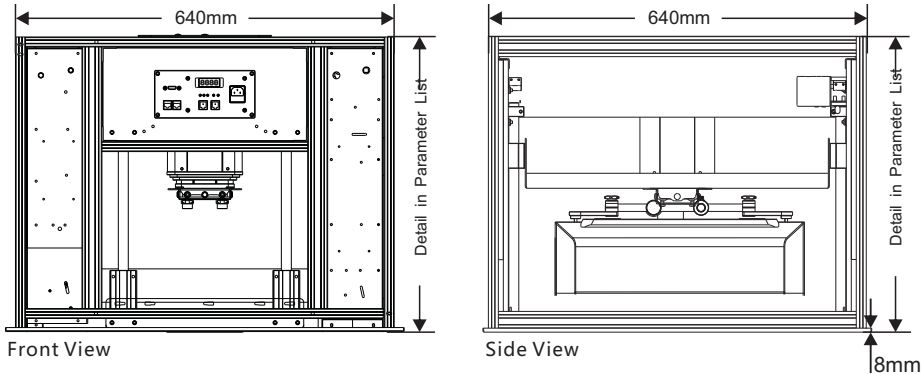
3. Prohibit parallel line with strong interference source

Remote controller

Control button instruction
1.Press UP to lift
2. Press STOP to stop
3. Press DOWN to lower

UP
STOP
DOWN

Front View

Specification

640mm

Front View

Detail in Parameter List

640mm

Side View

Detail in Parameter List

8mm

310mm

安装孔φ10mm

620mm

680mm

680mm

Over View

GPCD50 Series：
Size：640x640xH mm
Max Load：15kg
Ceiling Hole Opening Size：655x655 mm
Screw Rod Installation Size：310x620 mm
Ceiling door Dimension ：680x680 mm
Rated Voltage：220V 50Hz
Rated Power：120W
Suitable for projector size：
W440XD480XH240 mm（Including wiring and lens）
The noise：≤55dB
Control mode:
Weak current dry contact/Rs-485/Wireless RF
Required ceiling height：H+50mm

GPCD50 detail specification

Modle	Overall size (W*D*H)mm	Mounting Hole (W*D)mm	Ceiling opening size (W*D)mm	Suggestion Projector Size Range (W*D*H)mm	Quantity of Telescopic Arms
GPCD5004	640x640x590	310x620	655x655	440x480x240	4
GPCD5009	640x640x860	310x620	655x655	440x480x240	4

Installation

Installation instructions

This projector lift needs to be recessed into the ceiling，and this instruction takes the grille-ceiling as the example. Please install the projector lift according to different application. The projector lift needs to be recessed at the best viewing angle in order to improve the image. Take out all the parts from the packaging and follow the installation instructions as below.

∗ For the convenience and safety, please read this instruction manual carefully and choose a installation according to your requirement.
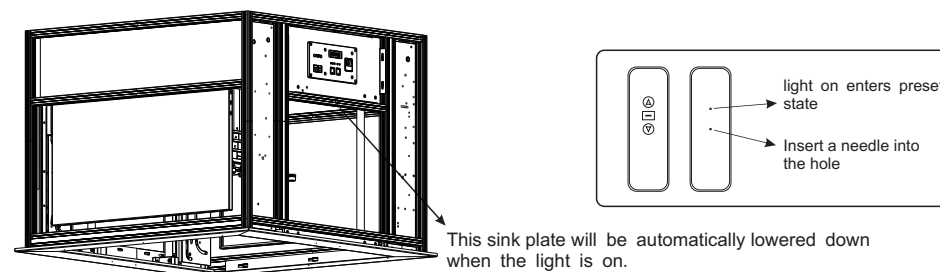
Concreted-Ceiling

Ceiling layer

Ceiling decoration frame
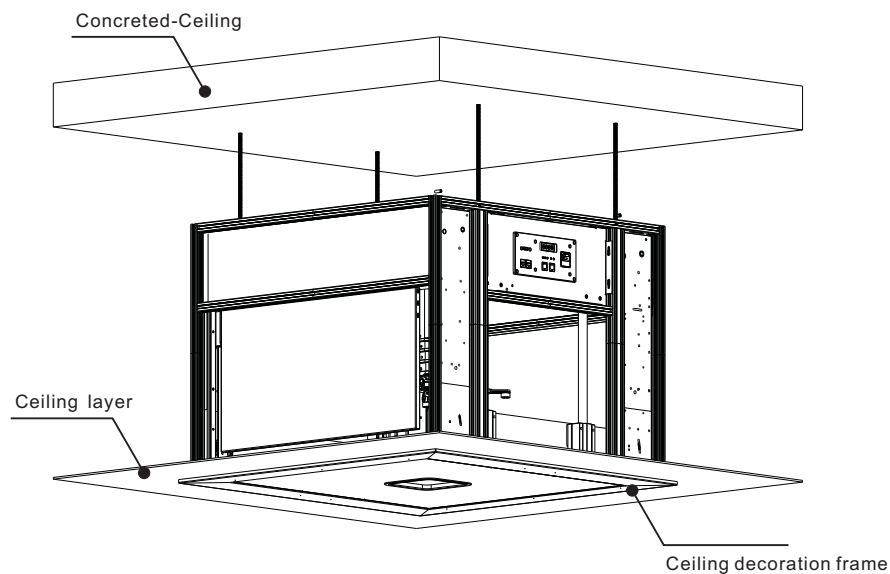
(Installation drawing)

⚠ Warning: The top plate must be kept parallel when installing, otherwise it will cause damage to the lift.
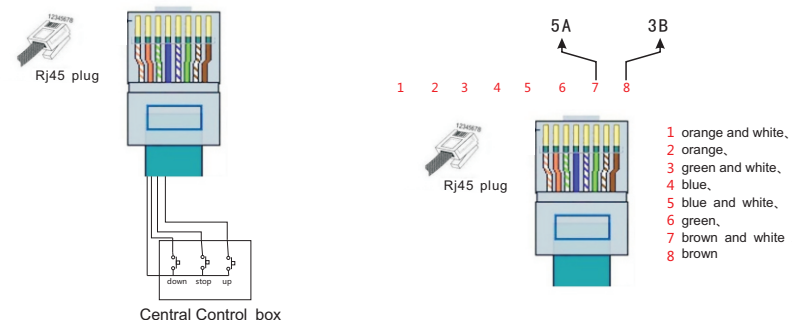
Remote Localizer

When it is necessary to set the lower limit, open the electric double door. When the laminate reaches the ceiling, press the pause button to use the keyhole on the back of the remote controlWhen the needle is inserted into the blue light, the hanger will enter the preset state and reach the position required by the customer. Press the stop button and insert the needle into the back of the remote control againWhen the small hole light is off and the hanger moves slightly up and down once, the setting is completed.
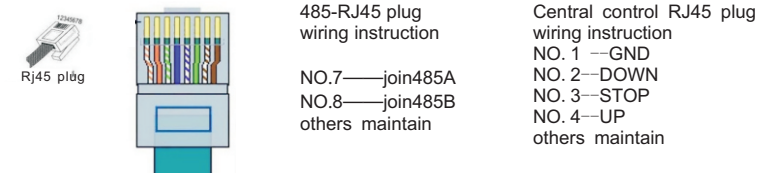
light on enters preset state

Insert a needle into the hole

This sink plate will be automatically lowered down when the light is on.

Central Control Instruction : requires a professional installation or contact us.

RS-485 plug：7 for + / 8 for -

5A   3B

Rj45 plug

1 2 3 4 5 6 7 8

Rj45 plug

1 orange and white、
2 orange、
3 green and white、
4 blue、
5 blue and white、
6 green、
7 brown and white 、
8 brown

down   stop   up

Central Control box

RJ45 wiring instruction

Rj45 plug

485-RJ45 plug
wiring instruction

NO.7——join485A
NO.8——join485B
others maintain

Central control RJ45 plug
wiring instruction
NO. 1 ─GND
NO. 2─DOWN
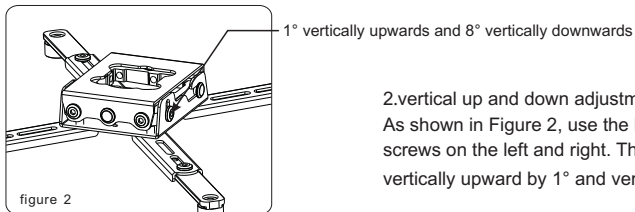NO. 3─STOP
NO. 4─UP
others maintain

Angle adjustment

figure 1

Rotate left and right ±3°
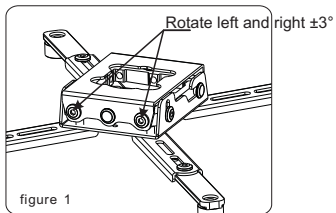
1.Rotate left and right
Use a hex wrench to loosen the two screws on the front end. As shown by the arrow in Figure 1, the universal joint can be adjusted to the left and right by ±3°.

figure 2

1° vertically upwards and 8° vertically downwards

2.vertical up and down adjustment
As shown in Figure 2, use the hex wrench to loosen the two screws on the left and right. The universal joint can be adjusted vertically upward by 1° and vertically downward by 8°.。

figure 3

Adjust the length of the mounting feet
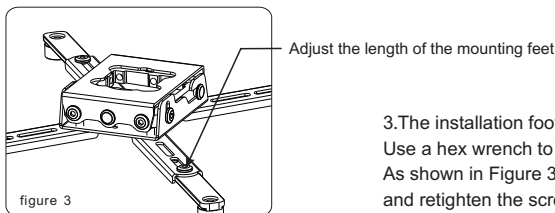
3.The installation foot adjustment
Use a hex wrench to loosen the screws on the mounting feet. As shown in Figure 3, adjust the screws to the desired length and retighten the screws.

## Electrical, product instructions

Control panel description

Up: Electric hanger rises

Stop: electric hanger stops

Down: electric hanger drop

Communication port: Category 6 network port

Dry contact: dry contact interface RS485: RS485 interface

Power input: power input interface

Fuse: F6. 3A 250V

Reset: long press the reset button to adjust the height

Memory: electric hanger memory position height

HDMI 2.0: 19+1 2.0 HD interface

Digital display: electric hanger current screw telescopic height
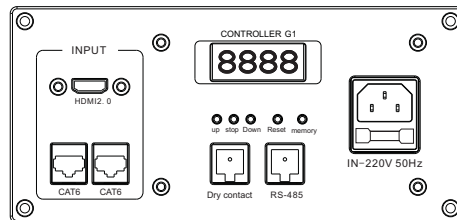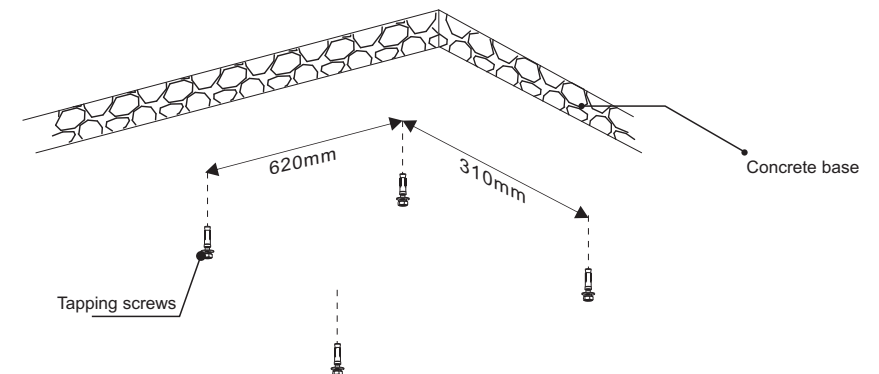

Installation steps

1.determine the direction of the projector and the installation position, according to the size of the opening in the ceiling layer.


Concrete base

655mm   655mm

Ceiling decorative layer
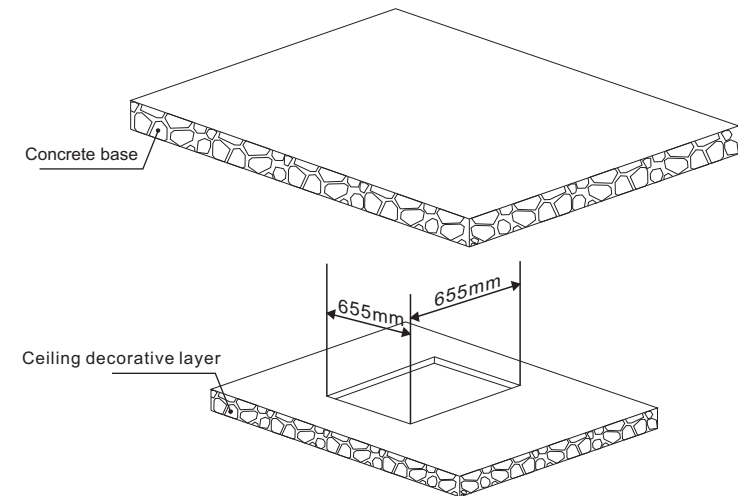
(Ceiling opening size diagram)

2.Punch the concrete base and install the Tapping screws.


620mm   310mm

Concrete base

Tapping screws

3.After checking that the tapping screw is fixed, install the screw rod and fix it. (In order to make the screw rod easier to pass through the lifter, we recommend that the end of the screw rod be tapered, and the length between each two lead rods can differ by 10-20mm.

Concrete base

screw nut   Cushion
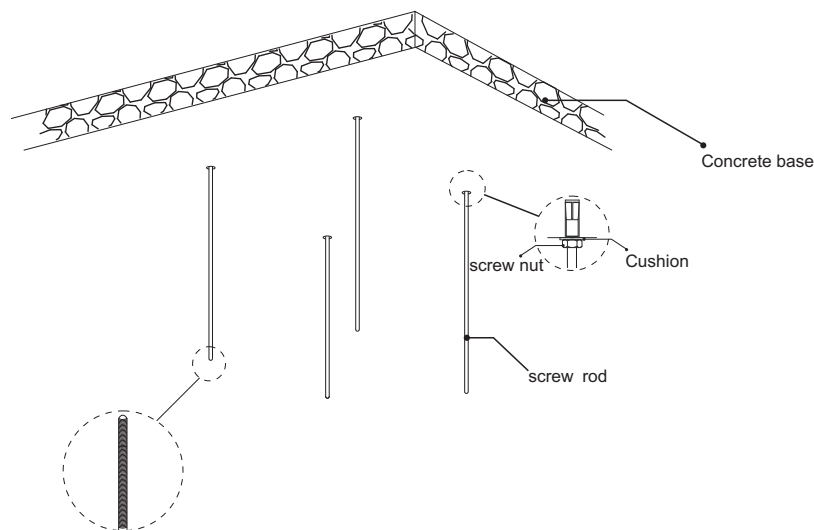
screw rod

recommended to sharpen the end of the screw into a taper that makes it easier to pass through the screw hole of the lift

4. Lift the lifter to the height of the installation position by using the lifting equipment, and pass the screw rod through the four holes of the lifter. Adjust the height of the lifter with the screw nut so that it is flush with the height of the ceiling layer. Remove the excess screw rod.

6.8mm

screw nut
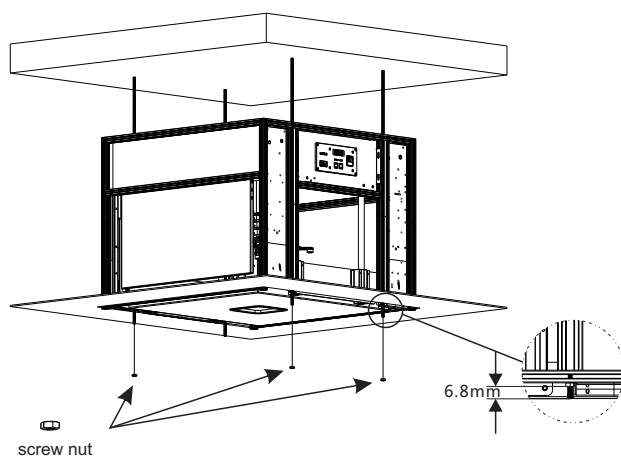
5.Install the decorative frame so that the decorative frame fits on the ceiling layer and the installation is completed.

Grille ceiling

make the decorative frame fits on the ceiling layer
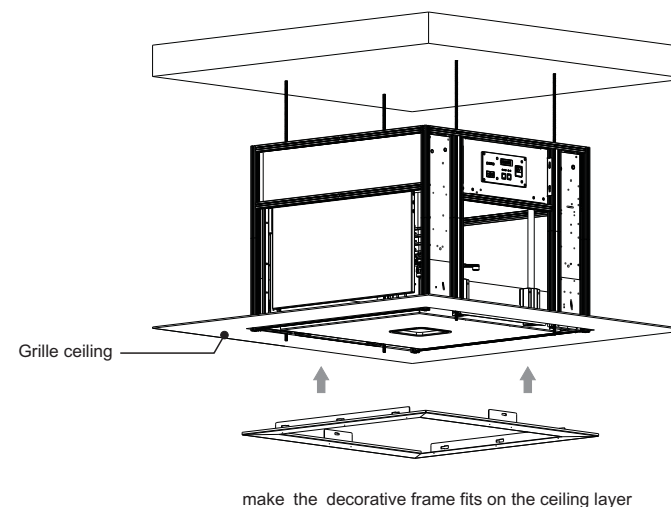
⊖ Please note that you must touch the upper limit switch to stop the projector lift from rising!
⊖ The level above the electric lift must be adjusted to the level, Tilting can cause the electric hanger to malfunction.

For the convenience of installation, the side plates of the cage can be removed first. After the installation is completed, the installer can stand in the cage and reinstall the side panels. At this time, the side panels must be turned over and installed.

If it is necessary to adjust the limit height due to the installation environment or the limitations of the site, it must be adjusted by a special technician or call after-sales.

Projector installation

1. Lower the bamboo joint of the lift to the height suitable for the installer to install the projector, and remove the mounting feet on the bamboo joint.
2. After the mounting feet are fixed on the projector, re-attach the projector and the mounting feet to the angle adjuster and tighten the screws.
(Note: Be sure to confirm that the screws are securely locked, be careful to prevent the projector from accidentally falling!)

Tighten the screws

Angle adjuster

projector mounting Bracket