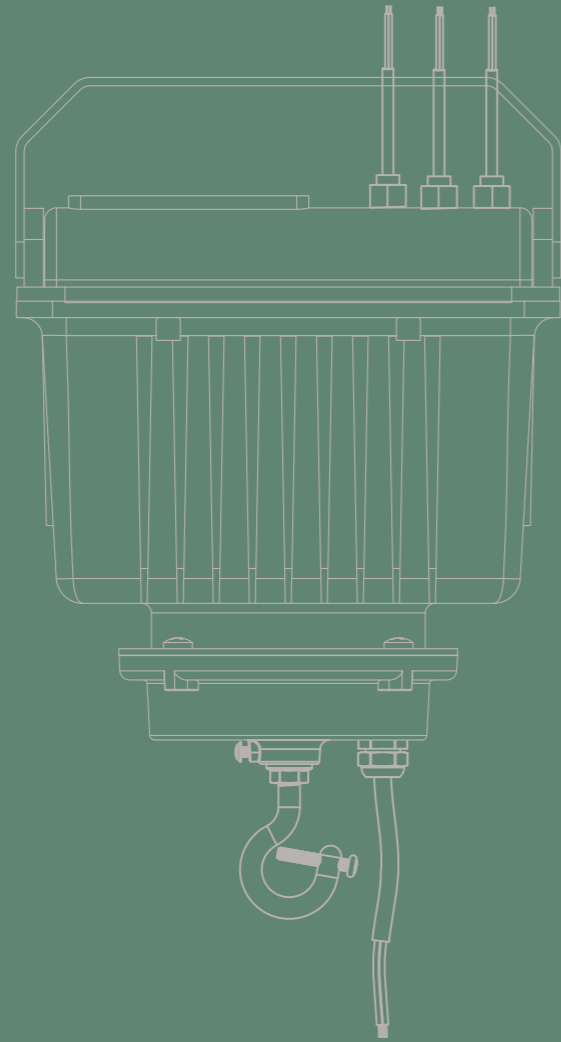


Superior Care For the Heart of the Business



RJ PROFESSIONAL LIGHTING



**LIGHTING LIFTER**

Focus Lighting Lifter 15 years

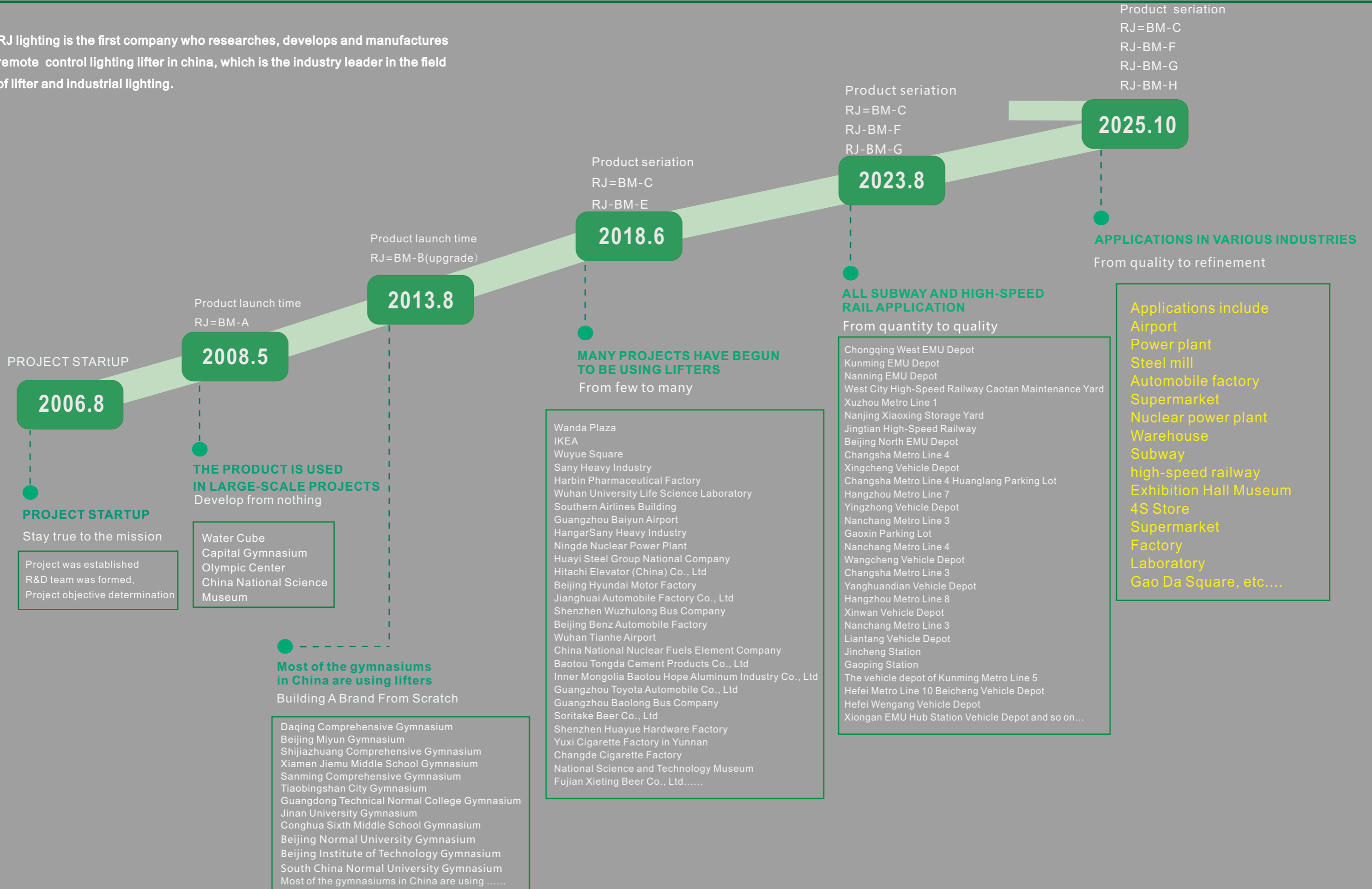
Guangzhou Zhengji Lighting&Electric Tech Co.LTD

ADD: 2nd No. 18, Shayuan south Road, Kengtou village, Nancun town, Panyu District, Guangzhou, P. R. C  
TEL: 0086 20 34723505  
Http://www.chinayll.com  
Http://chinayll.en.alibaba.com  
Mail:market@chinayll.com

RJ Lifter System  
Well-known brand of the world!  
Professional navigator and creator!

# Product development history

RJ lighting is the first company who researches, develops and manufactures remote control lighting lifter in china, which is the industry leader in the field of lifter and industrial lighting.



**HIGH-QUALITY ENVIROMENTAL-PROTECT SAVING-ENERGY**

## COMPANY INTRODUCTION

**RJ Lighting** (Guangzhou Zhengji Lighting&Electronic Tech CO.,LTD) is the first and also the strongest enterprise which professionally R&D and manufactures lighting lifter and have exclusive patent technology in China. Our products have the absolute advantage whether it is in appearance, lifting height and weight. The cost performance ratio is more appropriate for your selection. The lifter and lighting have been supplied for main stadiums of the Water cube, Capital Gymnasium, The Olympics center of the 29th Beijing Olympics Game in 2008 and the high-speed rail, metro and other industries in multiple cities around the world, and also export to Europe and Australia, The Middle East, Americas, Asia and all over other regions.

Besides the intelligent lifter systems, RJ Lighting proudly stands as a high-tech enterprise dedicated to the R&D, production, and sales and engineering services in the field of lighting and electrical applications, Specializing in production of all kind of industrial lighting, solar lighting, lighting lifter systems, and engineering lighting products—including high bay lights, floodlights, street lights, and solar lamps, among others. Our comprehensive product portfolio covers lighting systems across various sectors, from industrial to commercial applications, designed to meet diverse needs with reliability and excellence.

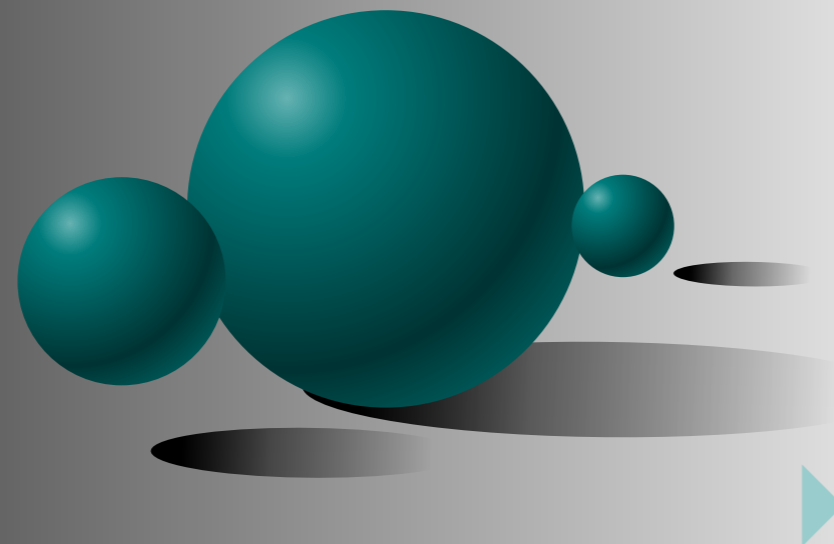
Certifications have been approved.

China compulsory Product Certification: CCC Certification

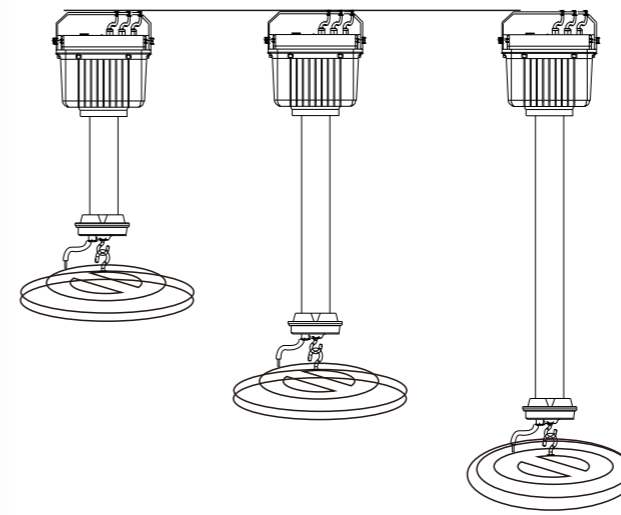
General certification exporting to Europe and America: CE and ROHS Certification and EU Certification

Also export to Australia Certification: SAA

And Specialized testing reports and certifications



### Lowing height in memory function



The operator can simply store the memory drop height through the remote control. The operator can also perform maintenance by adjusting the lamp to the ideal memory height.

The lifter can be set to remember the stop position for one downward movement. At this point, by pressing the storage button, this position will be saved. The next time the lifter operates, it will descend to the saved position and automatically stop.

### Rolling wire Device

This product adopt automatic and adjustable wire-displacement mechanism through high precision mechanical device and synchronization transmission function, the wire roll on the wheel to realize to roll sequentially and tight, can lower and rise many times without cross-winding, overlapping, disordering many times.

### Low Noise

when the operates, Gears meshing runs without noise, Wire lifts without friction and interference through high precision mechanical device and the function of wire rolling orderly, it make noise to a minimum.

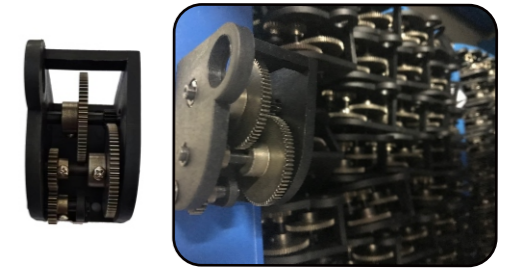
### Patent

The structure has been patented.

### Gear meshing transmission device

The transmission gears and gear shafts are made of low-carbon alloy steel specially used for manufacturing car transmission gears. They are hard and wear-resistant.

The product achieves synchronous and uniform transmission of motion through multiple high-precision gear meshing transmission devices. The entire lifting process is orderly and stable, with extremely high reliability.



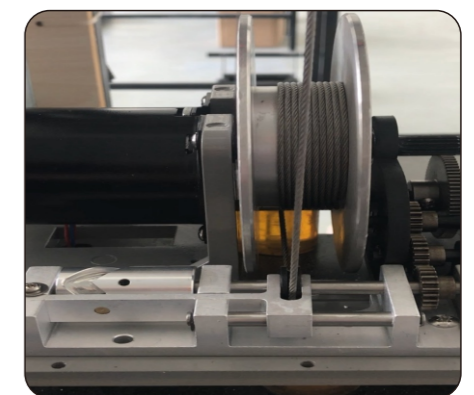
### Standard Mounting



**Note:**  
Suitable for all types of luminaires for hanging installation  
Standard 5\*30 screw lock

Standard snap hook for easy mounting for lifter and light fitting.

### Mechanical Structure



**NO DANGER**

No risk of work n high places and prevent the accident could happen during maintenance



**NO PROFESSIONAL**

No professional or skilled engineer to maintenance



**NO HEAVY EQUIPMENT!**

No need of rent the lifting equipment to maintenance

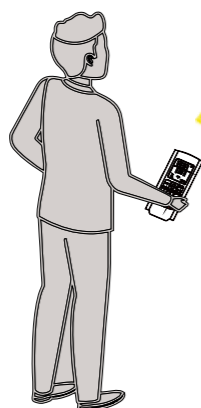


**NO RISK OF ELECTRIC SHOCK**

No risk of electric shock

**SAVING TIME**

No need to wait for professionals or short down time to maintenance



RJ LIGHTING LIFTER

**EASY To OPERATE!**

One remote can control 999pcs lifters  
Remote control range can reach up to 100m

**SAVING MONEY!**

Save cost of rent the lifting equipment to maintenance



**RJ The Thoughtful Innovator;**

**From the professional to concept, to the rigorous techniques;**

**From classic design, to provide the right product;**

**From the most convenient distribution, to the perfect after sales service;**

**RJ Lighting; Superior care for the heart of the business.**

**PRODUCT SPECIFICATIONS & BENEFITS**

**Safety**

The personal safety of maintenance worker should be in the first place, it can be completely avoidable for the dangerous conditions of working at high position when the workers maintain lighting

**Convenient maintenance and cleaning**

If the light is broken or changed or need cleaning, the lifter can descend to ground and maintenance staff can repair them conveniently and quickly.

**Fast and save time**

If the light is broken or changed, no need to rent and wait for the lifting equipment for maintenance or change. It can be done at any time by non professionals to not delay produce.

**Cost saving**

No need to rent the lifting equipment or ladder for maintenance or change, so it can save cost.

**Easy to operate, easy to install**

**Weightlessness device**

The control system has weightlessness protection device to prevent the lifting system from damaging due to operator's negligence when the lifter and the light lower to the ground.

**PRODUCT CERTIFICATION**

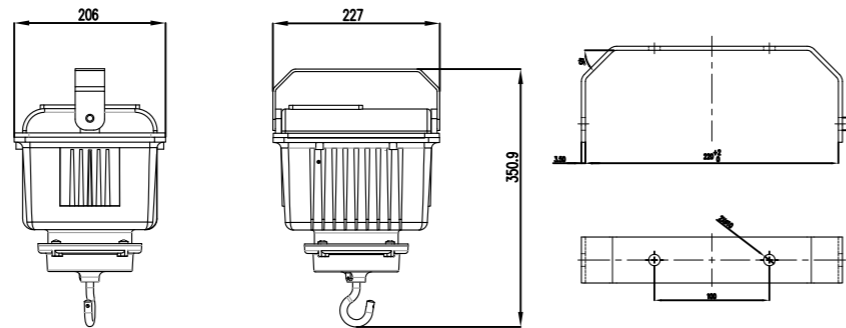


# Lifter series



## Delicate type

small size  
appearance delicacy  
Lifting capacity:2-8/15kg  
Multi applications:  
factory, supermarket, exhibitions,  
and subway.....



### Lighting lifter RJ-BM-C1/C2

The lifter can be customized as  
DALI type or Emergency type



### REMOTE CONTROL

### Technical data

Model	RJ-BM-C1	RJ-BM-C2
Rated voltage	AC220-240V	AC220-240V
Maximum lighting current	10A	10A
Motor power	40W	40W
Frequency	50/60Hz	50/60Hz
Number of steel wire ropes	2	2
Protection level	IP54	IP54
Remote control distance	100m	100m
Remote control Frequency	433MHz	433MHz
Protection grade of electric shock	Grade I	Grade I
Lifting height	Max15m(50ft)	Max15m(50ft)
Lifting speed	2.2m/min	1.2m/min
Self-locking function	Motor self-locking and electromagnetic lock	Motor self-locking and electromagnetic lock
Safety rope (optional)	1	1
Automatic stop	When lifter descend to the ground, the lifter automatic stop	When lifter descend to the ground, the lifter automatic stop
Height	2-8kg (4.4~17.65lb)	2-15kg (4.4~33lb)
Number of steel wires	SUS304 2*Ø1.8mm(7*7)	SUS304 2*Ø1.8mm(7*7)
Control method	Remote control, communication protocol control	Remote control, communication protocol control
Max wire control quantity(panel)	One panel can control max 31pcs lifter	One panel can control max 31pcs lifter
operating ambient temperature	-30°C~55°C	-30°C~55°C
485 signal line	RVVSP 2*0.75 mm <sup>2</sup> cable	RVVSP 2*0.75 mm <sup>2</sup> cable
Lighting connect cable	3*1.0mm <sup>2</sup> cable	3*1.0mm <sup>2</sup> cable
Up or down cable	2*0.75 mm <sup>2</sup> cable	2*0.75 mm <sup>2</sup> cable
Unit Product weight	6kg	6kg
Package size	310*290*245 (mm)	310*290*245 (mm)

## Product features

The product volume is small, the quality is light, the structure is reasonable, the safety is reliable, the operation is convenient, can meet the spatial suspension type luminaire match request which under 15m height.

The lifter with electrical connectors, when the lamp falls, automatic power, will not pose a safety hazard; When the lamp is raised to the top, the male and female plugs are automatically energized.

Each device can set down the trip memory, to prevent accidents.

Set the abbreviation control code of each lamp according to the lamp layout and circuit to facilitate operation and memory. (at the time of ordering, please inform the manufacturer first and then deliver the goods with the serial number)

Upper travel switch is set in the lifting control system (if lower travel switch is needed, please inform in advance when ordering);(special requirements) lifting system with reliable self-locking function, motor power, synchronous start.

## Functional description

1) intelligent lifting control system is composed of controller, remote control and local control panel. The controller is installed in the lifter. The remote control is portable and manual.

2) the system has the following functions.

### UP down stop

Through the remote control or local control panel instructions, can achieve the lift up, down, stop and other operations; (if the upper computer function needs to be added, inform the manufacturer in advance when ordering)

### Trip memory function

The lifting controller can set the stop position of the last descending process recorded. At this time, the point of the storage key can save the position. When the next running time is pressed, the device will drop to the memory position and stop automatically.

### Coding function

It has the function of encoding and modifying the lifter;

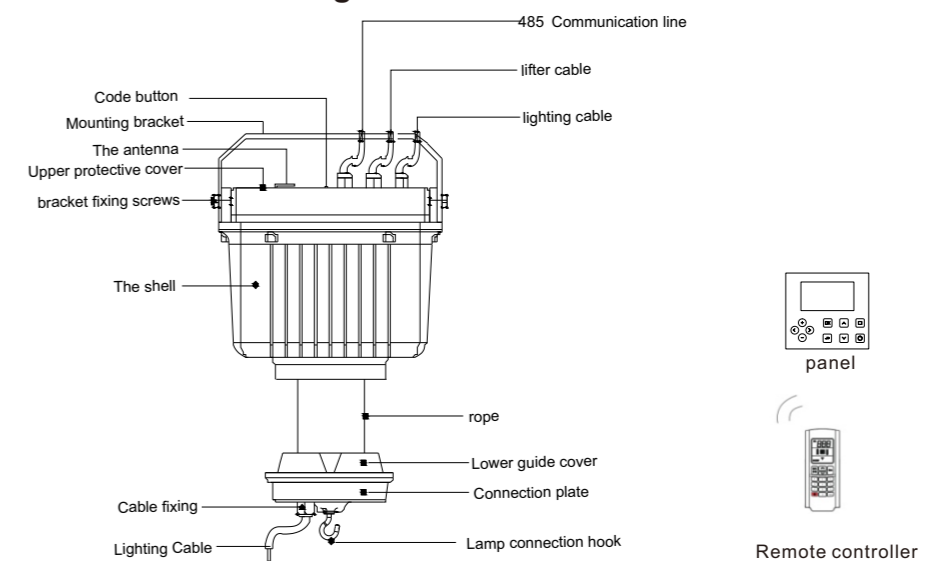
### 485 communication

The controller has 485 communication interface, which can realize the seamless connection with the upper computer. Now through the upper computer command control lifter. (for customers who need to use PC control, please inform our company in advance when purchasing)

### Applications

It is applied to various places of business and industry, such as factory, workshop, warehouse, stadium, exhibition center, station, and supermarket and so on. Especially be suitable for where it is difficult for construction, or maintenance is not convenient, or job is dangerous situations

## Product structure drawing



# Lifter series



**Lighting lifter**  
RJ-BM-F1/F2

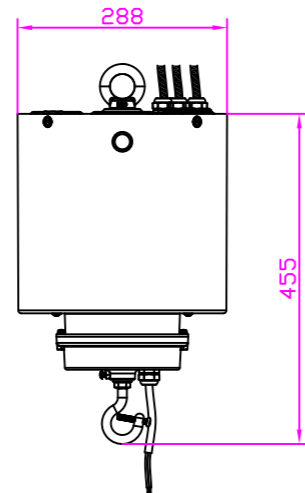
The lifter can be customized as DALI type or Emergency type



**REMOTE CONTROL**

## Economy lifter

Compact in size  
Exquisite and detailed appearance  
Maximum lifting capacity: 6/10kg, 15m  
Multi-purpose: suitable for commercial, industrial and other places;



### Technical data

Model	RJ-BM-F1	RJ-BM-F2
Rated voltage	AC220-240V	AC220-240V
Maximum lighting current	10A	10A
Motor power	40W	40W
Frequency	50/60Hz	50/60Hz
Number of steel wire ropes	2	2
Protection level	IP54	IP54
Remote control distance	100m	100m
Remote control Frequency	433MHz	433MHz
Protection grade of electric shock	Grade I	Grade I
Lifting height	15m (50ft)	15m (50ft)
Lifting speed	2.2m/min	1.2m/min
Self-locking function	Motor self-locking and electromagnetic lock	Motor self-locking and electromagnetic lock
Safety rope (optional)	1	1
Automatic stop	When lifter descend to the ground, the lifter automatic stop	When lifter descend to the ground, the lifter automatic stop
Height	2-6kg (4.4~13.23lb)	2-10kg (4.4~22.05lb)
Number of steel wires	SUS304 2*Ø1.8mm(7*7)	SUS304 2*Ø1.8mm(7*7)
Control method	Remote control, communication protocol control	Remote control, communication protocol control
Max wire control quantity(panel)	One panel can control max 31pcs lifter	One panel can control max 31pcs lifter
operating ambient temperature	-30°C~55°C	-30°C~55°C
485 singnal line	RVVSP 2*0.75 mm <sup>2</sup> cable	RVVSP 2*0.75 mm <sup>2</sup> cable
Lighting connect cable	3*1.0mm <sup>2</sup> cable	3*1.0mm <sup>2</sup> cable
Up or down cable	2*0.75 mm <sup>2</sup> cable	2*0.75 mm <sup>2</sup> cable
Unit Product weight	6kg	6kg
Package size	420*300*250 (mm)	420*300*250 (mm)

## Product features

The product volume is small, the quality is light, the structure is reasonable, the safety is reliable, the operation is convenient, can meet the spatial suspension type luminaire match request which under 15m height.

The lifter with electrical connectors, when the lamp falls, automatic power, will not pose a safety hazard; When the lamp is raised to the top, the male and female plugs are automatically energized.

Each device can set down the trip memory, to prevent accidents.

Set the abbreviation control code of each lamp according to the lamp layout and circuit to facilitate operation and memory. (at the time of ordering, please inform the manufacturer first and then deliver the goods with the serial number)

Upper travel switch is set in the lifting control system (if lower travel switch is needed, please inform in advance when ordering);(special requirements) lifting system with reliable self-locking function, motor power, synchronous start.

## Functional description

1) intelligent lifting control system is composed of controller, remote control and local control panel. The controller is installed inthe lifter. The remote control is portable and manual.

2) the system has the following functions

### UP down stop

Through the remote control or local control panel instructions, can achieve the lift up, down, stop and other operations; (if the upper computer function needs to be added, inform the manufacturer in advance when ordering)

### lowing stop of memory function

The lifting controller can set the stop position of the last descending process recorded. At this time, the point of the storage key can save the position. When the next running time is pressed, the device will drop to the memory position and stop automatically.

### Coding function

It has the function of encoding and modifying the lifter;

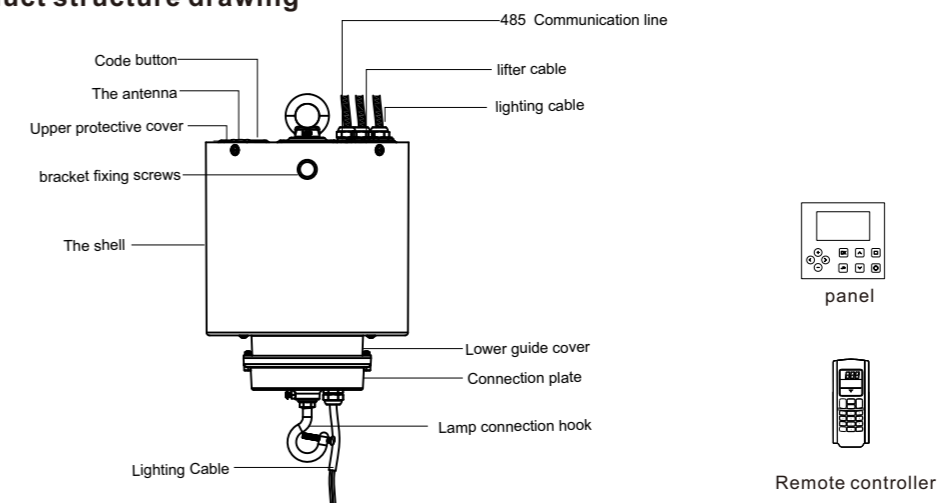
### Panel control( 485 signal line )

The controller has 485 communication interface, which can realize the seamless connection with the upper computer Now through the upper computer command control lifter. (for customers who need to use PC control, please inform our company in advance when purchasing)

## Applications

It is applied to various places of business and industry, such as factory, workshop, warehouse, stadium, exhibition center, station, supermarket and so on. Especially be suitable for where it is difficult for construction, or maintenance is not convenient, or some job is dangerous situations

## Product structure drawing

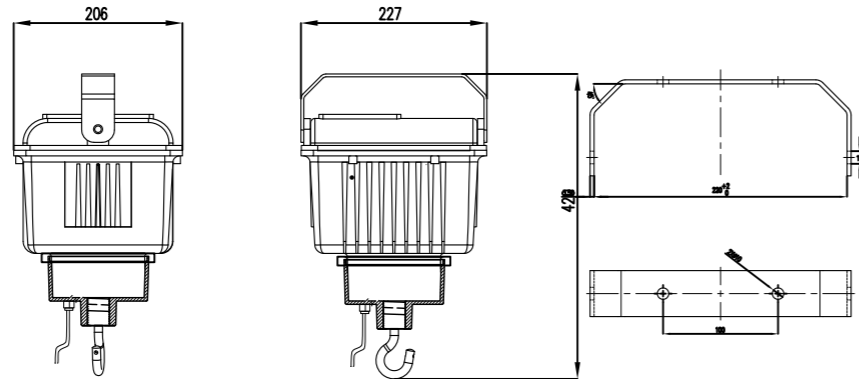


# Lifter series



## High-altitude type lifter

Good product for working at heights  
 Maximum lifting height: 35m  
 lifting weight: 5kg/8kg



### Technical data

Model	RJ-BM-G1	RJ-BM-G2
Rated voltage	AC220-240V	AC220-240V
Maximum lighting current	10A	10A
Motor power	40W	40W
Frequency	50/60Hz	50/60Hz
Number of steel wire ropes	1	1
Protection level	IP54	IP54
Remote control distance	100m	100m
Remote control Frequency	433MHz	433MHz
Protection grade of electric shock	Grade I	Grade I
Lifting height	Max35m (115ft)	Max35m (115ft)
Lifting speed	2.2m/min	1.2m/min
Self-locking function	Motor self-locking	Motor self-locking
Safety rope	1	1
Height	2-5kg (4.4~11.02lb)	2-8kg (4.4~17.64lb)
Number of steel wires	SUS304 1*Ø1.8mm(7*7)	SUS304 1*Ø1.8mm(7*7)
Control method	Remote control, communication protocol control	Remote control, communication protocol control
Max wire control quantity(panel)	One panel can control max 31pcs lifter	One panel can control max 31pcs lifter
operating ambient temperature	-30°C~55°C	-30°C~55°C
485 signal line	RVVSP 2*0.75 mm <sup>2</sup> cable	RVVSP 2*0.75mm <sup>2</sup> cable
Lighting connect cable	3*1.0mm <sup>2</sup> cable	3*1.0mm <sup>2</sup> cable
Up or down cable	2*0.75 mm <sup>2</sup> cable	2*0.75 mm <sup>2</sup> cable
Unit Product weight	6kg	6kg
Package size	420*300*250 (mm)	420*300*250 (mm)

### Lighting lifter

RJ-BM-G1/G2

The lifter can be customized as DALI type or Emergency type



### REMOTE CONTROL

## Product features

The product volume is small, the quality is light, the structure is reasonable, the safety is reliable, the operation is convenient, can meet the spatial suspension type luminaire match request which under 35m height.

The lifter with electrical connectors, when the lamp falls, automatic power, will not pose a safety hazard; When the lamp is raised to the top, the male and female plugs are automatically energized.

Each device can set down the trip memory, to prevent accidents.

Set the abbreviation control code of each lamp according to the lamp layout and circuit to facilitate operation and memory. (at the time of ordering, please inform the manufacturer first and then deliver the goods with the serial number)

Upper travel switch is set in the lifting control system (if lower travel switch is needed, please inform in advance when ordering);(special requirements) lifting system with reliable self-locking function, motor power, synchronous start.

## Functional description

1) intelligent lifting control system is composed of controller, remote control and local control panel. The controller is installed into the lifter. The remote control is portable and manual.

2) the system has the following functions.

### UP down stop

Through the remote control or local control panel instructions, can achieve the lift up, down, stop and other operations; (if the upper computer function needs to be added, inform the manufacturer in advance when ordering)

### Trip memory function

The lifting controller can set the stop position of the last descending process recorded. At this time, the point of the storage key can save the position. When the next running time is pressed, the device will drop to the memory position and stop automatically.

### Coding function

It has the function of encoding and modifying the lifter;

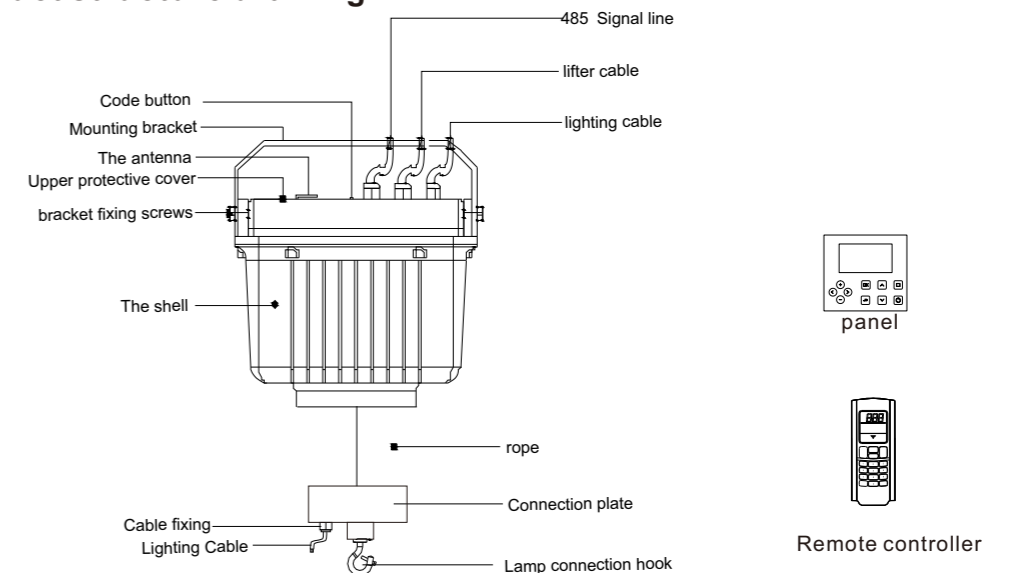
### 485 communication

The controller has 485 communication interface, which can realize the seamless connection with the upper computer. Now through the upper computer command control lifter. (for customers who need to use PC control, please inform our company in advance when purchasing)

### Applications

It is applied to various places of business and industry, such as factory, workshop, warehouse, stadium, exhibition center, station, and supermarket and so on. Especially be suitable for where it is difficult for construction, or maintenance is not convenient, or job is dangerous situations

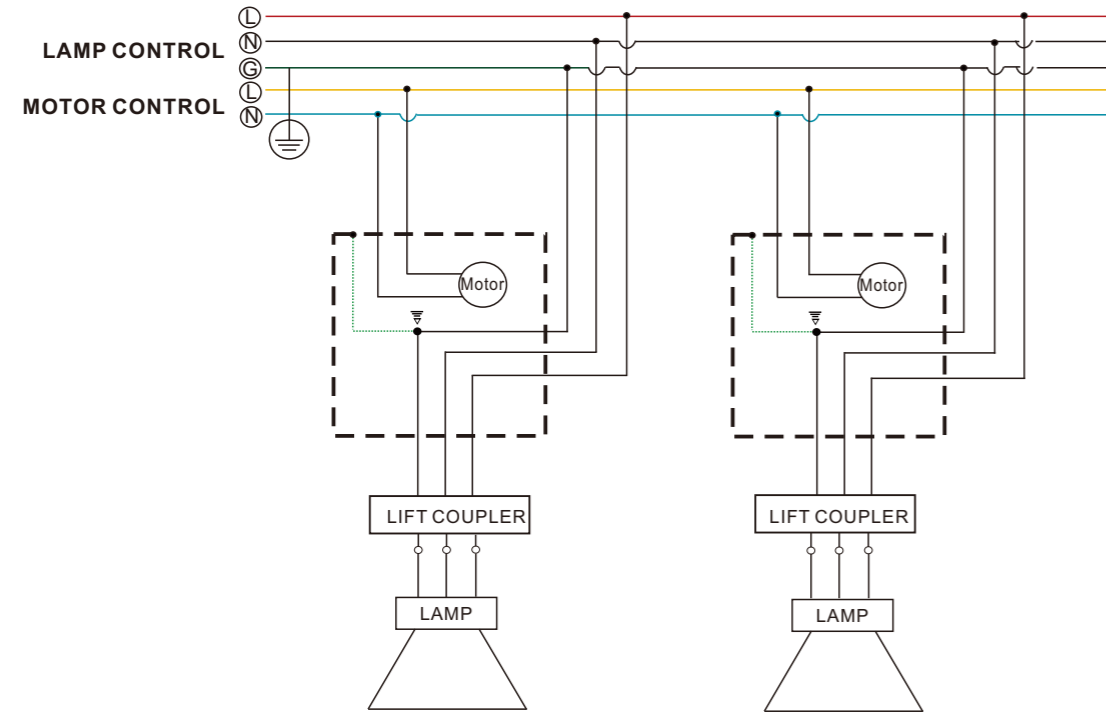
## Product structure drawing



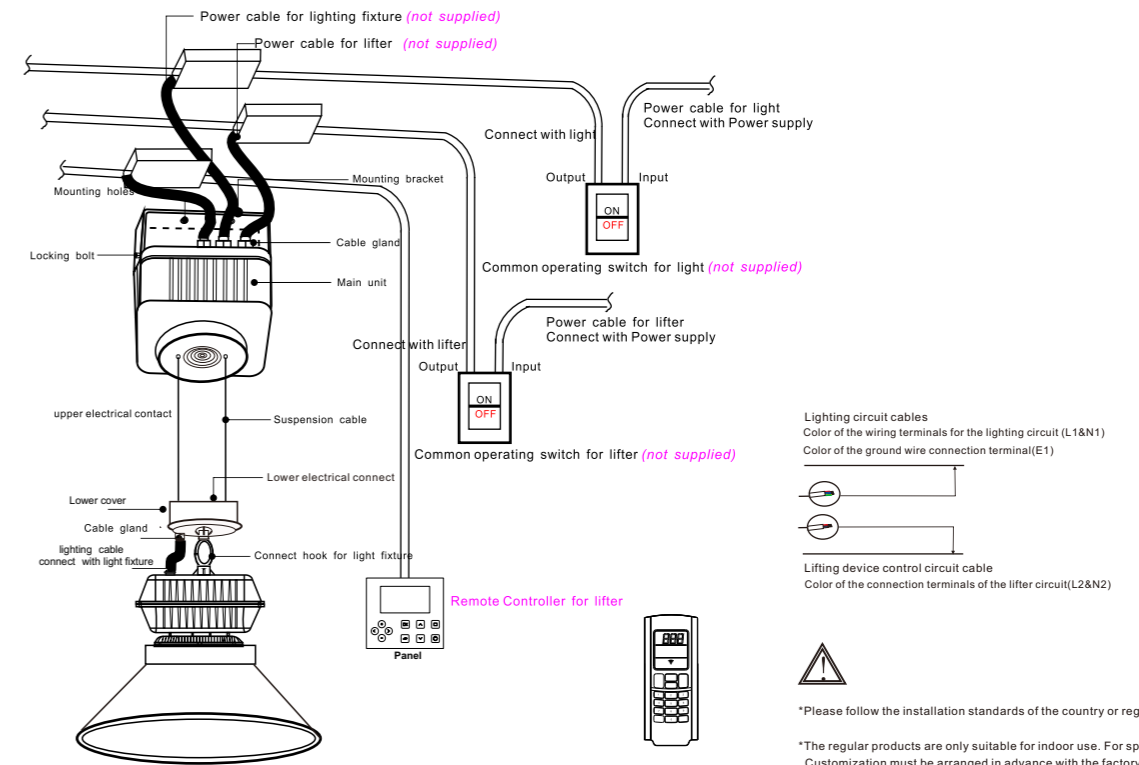
# Lifter series

## WIRING DIAGRAM

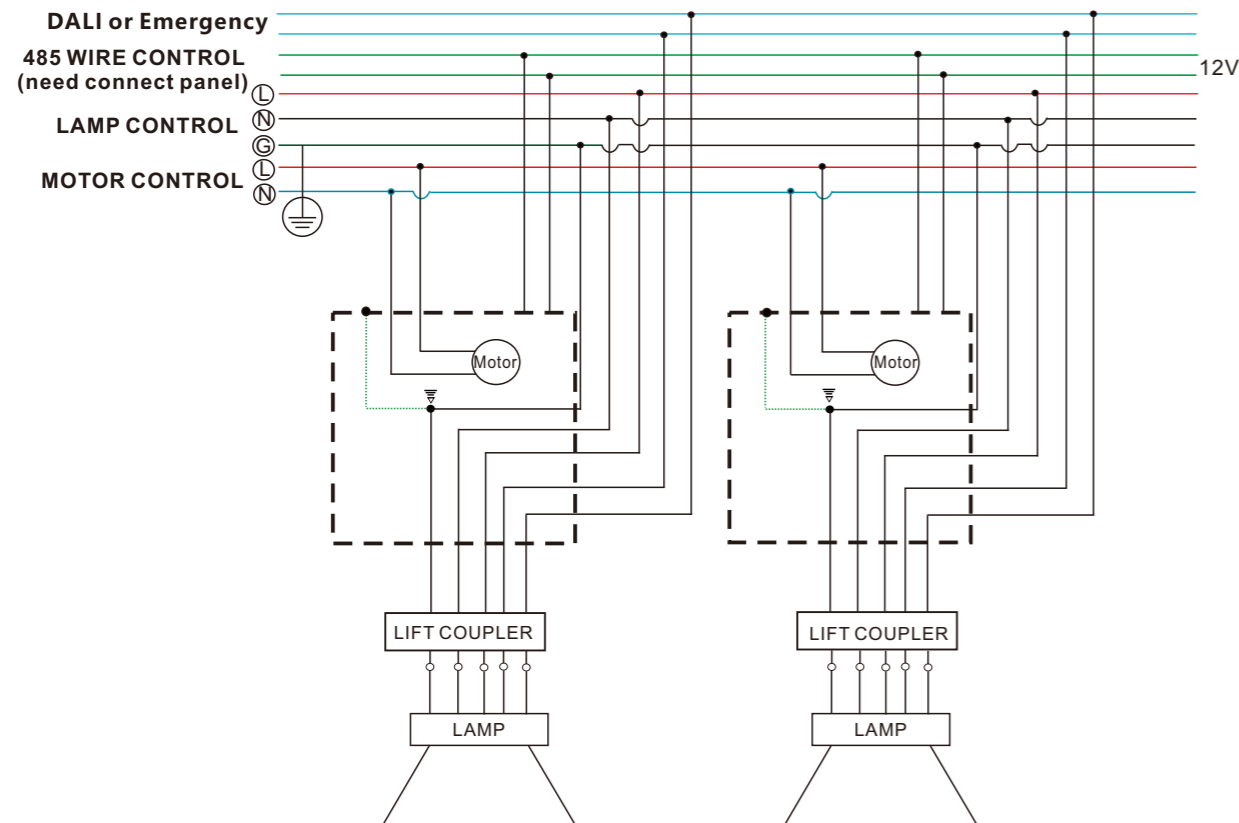
### Remote lighting lifter



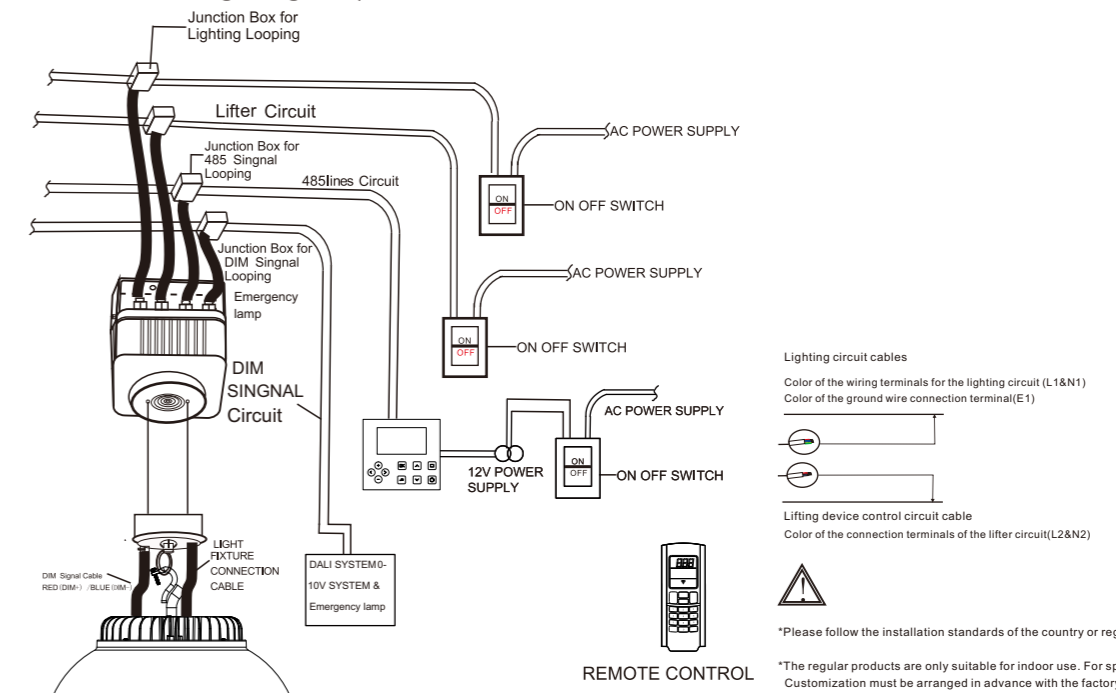
### Schematic diagram 1 (Remote control and wire control)



### Multifunctional Lifter



### Multi-functional lifter DIM&Emergency lighting Schematic diagram 2 (Multifunctional wiring diagram)



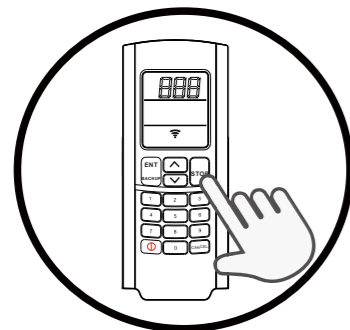
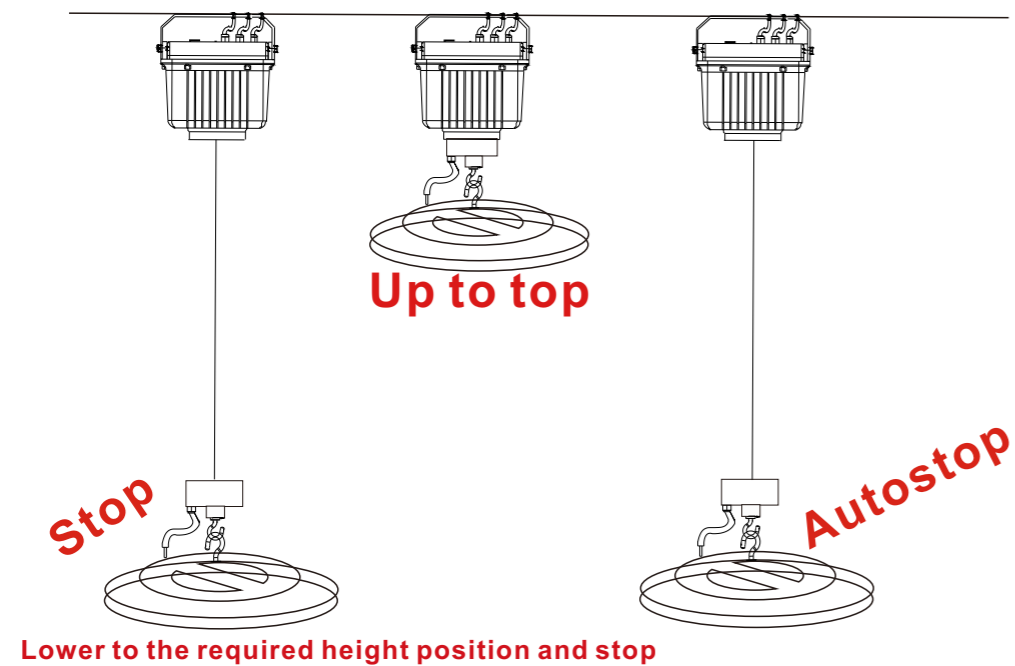
\*Please follow the installation standards of the country or region.  
\*The regular products are only suitable for indoor use. For special venues, Customization must be arranged in advance with the factory.

\*Please follow the installation standards of the country or region.  
\*The regular products are only suitable for indoor use. For special venues, Customization must be arranged in advance with the factory.

# Lifter series

## Adjustable lowering height stop

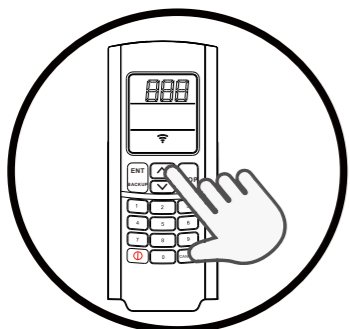
- Step 1: Press the device code;
- Step 2: Press the **down** button;
- Step 3: Press the **stop** button at the maintenance position;
- Step 4: Press the **backup key** on the remote control to store the remembered height;
- Step 5: Then it **up** again to the top. When it **down** to the memory height, it will automatically **stop**.



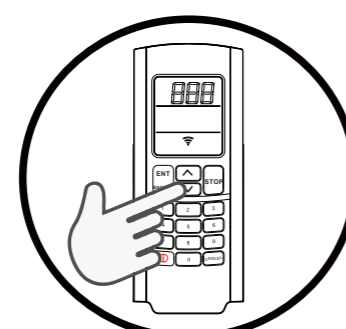
1. Stop



2. Backup



3. Up



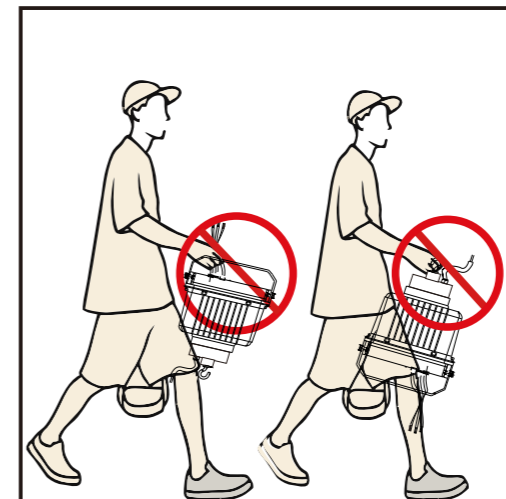
4. Down

### CAUTION:

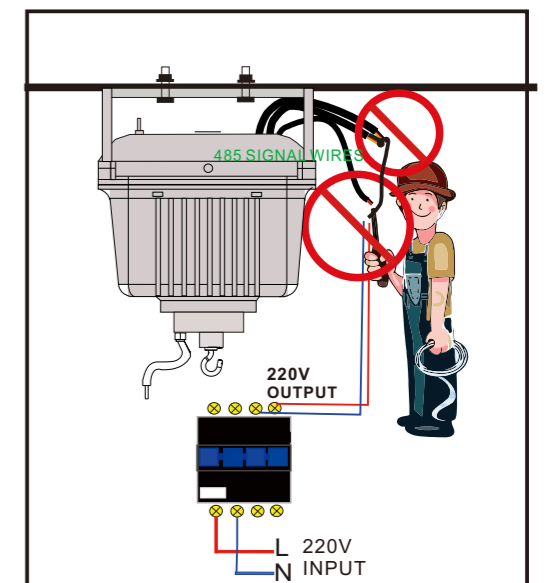
After storing the backup height, it must be up to the top again, and then lowered. Only after that will the backup height autostop.

## Please note the following warnings!

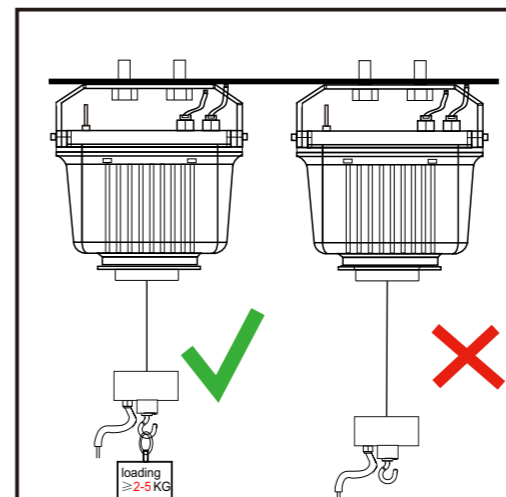
Warranty is void with non-compliance!



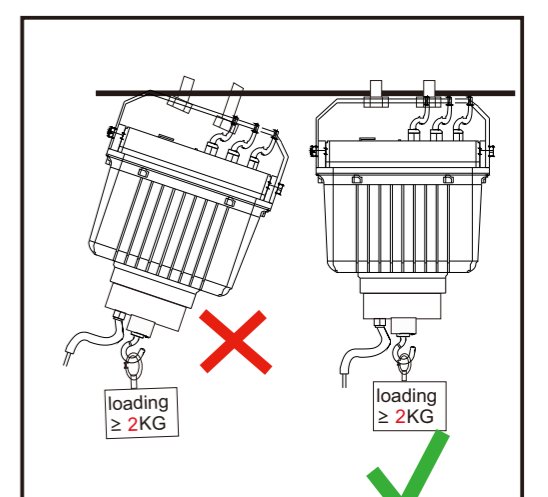
Do not carry the lifter by cables!  
Do not carry the lifter by holding or rotating the hook!



Do not apply any external voltage to the signal control wires!



Do not operate the lifter without the minimum weight or the lifter will fail!



The equipment must be installed horizontally; otherwise, it will be damaged and malfunction!

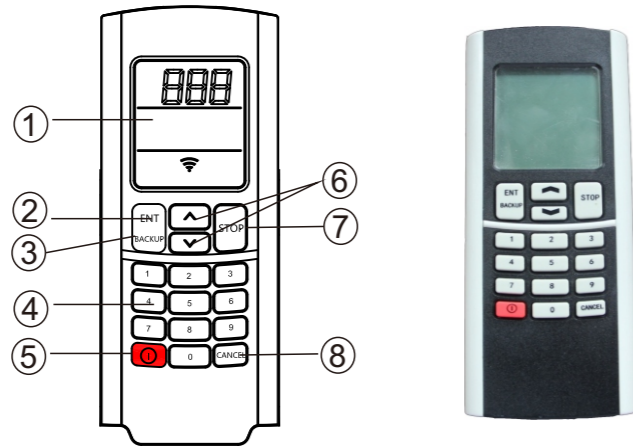
### Maintenance

- The lifting mechanism should be inspected once every six months to maintain the product's operational performance. If any issues are found, please turn off the power, carry out repairs, and reinstall the lamp to its designated position.
- Use a clean soft cloth with a small amount of neutral detergent to wipe off surface dust.

# Lifter series

## REMOTE CONTROL

1. Screen
2. Enter key
3. Storage key
4. Number key
5. Power key
6. Up down key
7. Stop key
8. Cancel key



Chinese and English version  
(one can control 999pcs lifter)

### Usage Instructions

- 1) Open the rear cover at the bottom of the remote control and insert the batteries into the remote control. The battery model is: 2 x 7.
- 2) The screen displays the startup interface. Enter the corresponding number according to the code of this lifter. First, press the cancel button. When the numbers are flashing, press the confirm button to stop the flashing.
- 3) Press the downward key ↓ or the upward key ↑ to perform the corresponding operation on this lifter. If you want to stop the elevation, press the stop button to stop.
- 4) When storing the operation, drop the elevator to the required position at once and press the storage button to store. Next time During operation, when you press the downward key, the elevator will automatically stop at the storage position.
- 5) Other instructions: After stopping at the storage position, if you need to descend again, hold down the downward key for 3 seconds. For forced descent, after pressing the stop key, long press the cancel key for 5 seconds to clear the storage position.
- 6) When entering a new number, when the screen digits flash, enter the new number and press the confirm key to proceed with the operation.
- 7) After use, press the cancel key to cancel the current page. The device will automatically shut down after 5 minutes of standby.
- 8) When using again, press the power-on key for 5 seconds to turn on the device. The screen will display the power-on interface.

### Notes for Attention

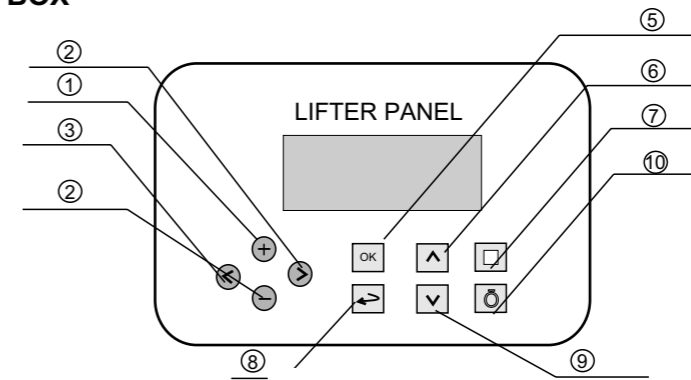
- 1) During operation, after descending, you need to press the stop button first, then press the up button to operate. Do not operate directly with the up button. Similarly, when ascending; do not operate directly with the down button.
- 2) When the screen of the remote control becomes dim, you should replace the battery in time to avoid poor reception during remote control.
- 3) During storage operation, only the top can be descended after pressing the stop button to ensure the storage is effective.
- 4) Please do not mix new and old, or different types of batteries.
- 5) When the remote control is not used for a long time, please remove the battery to prevent leakage and damage to the remote control.

### Coding operation instructions

For example, the encoder of the lifter is coded as "010". Now, it is necessary to change the code to "021". The operation steps are as follows:

- 1) After powering on the elevator's lifting power supply, turn on the remote control;
- 2) Press the "Cancel" button on the remote control, then hold down the encoder button (the blue circular one at the top), enter the "021" code using the remote control, then press the "Confirm Button", release the blue button of the lifter, and the product code change is completed.
- 3) When using the remote control again, after entering the "021" code, you can perform operations such as rising, lowering and stopping on the lifter.

## PANEL BOX



1. add button
2. minus key
3. left button
4. Moves to the right key
5. Identify key
6. Up
7. stop
8. return
9. down
10. Power



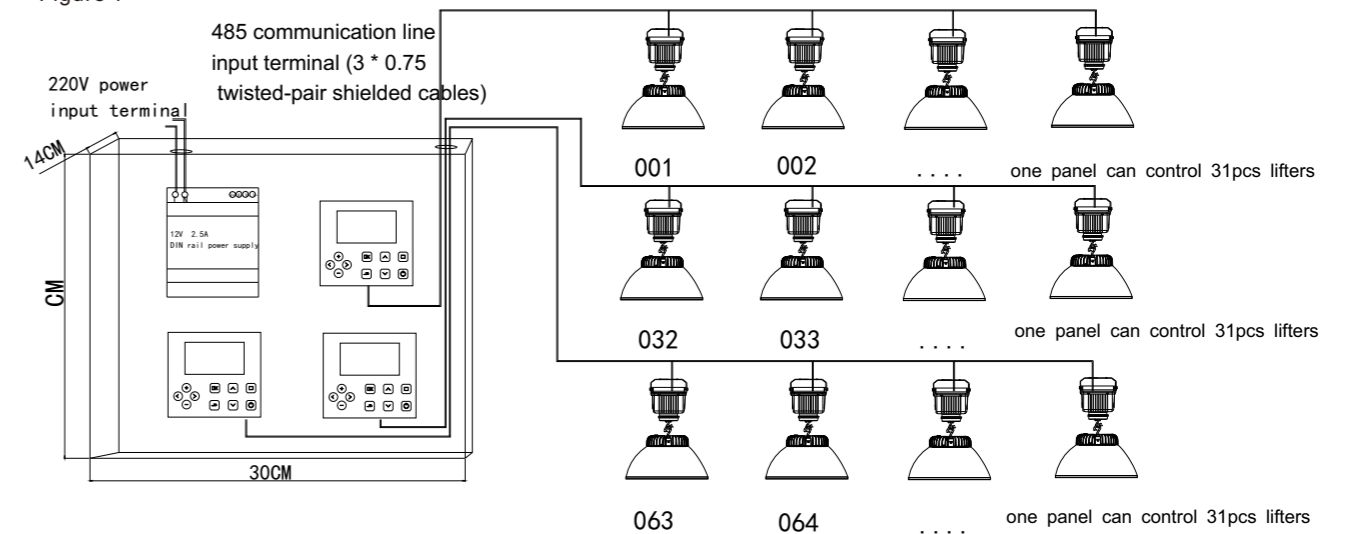
Chinese and English version  
(one can control 31pcs lifter)

dimension box	200mm*300*140mm	1pcs panels size
dimension box	300mm*400*150mm	3pcs panels size

## Installation instructions for the control panel:

- 1) The pre-configured control panel installation cabinet is fixed in the pre-arranged installation position using screws.
- 2) Connect the 220V power supply to the installation cabinet and plug in the 12V power adapter (as shown in the figure below).
- 3) Wiring method of the control panel (as shown in the figure below)
- 4) The actual number of panels installed in the control panel box can be determined based on the on-site layout.  
Each panel box should not contain more than three panels.
- 5) A single control panel can control no more than 31 lifters.
- 6) After installation, the code segment for the control of each panel needs to be marked to facilitate future use.

Figure 1



RJ outstanding technology will be remote control that can control 999 lifters and lights.. Remote control can reach to 100 meter distance. (it depend on the structure of building) RJ remote lighting lifter can be control 2 ways (wireless or hard wired)

# Lifter series

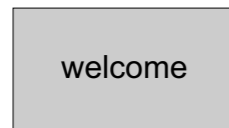
## Instructions for operation of wire control panel

### 1) working principle

After the 12V power supply of this control panel is started up and displayed, connect to the panel for output to the lifter through the communication mode of 485 lines in parallel, and input coding instructions for the control circuit from the control panel to lift a single elevator or code segment within the specified range.

### 2) instructions:

(1) turn on the power when in use. The interface is shown in the figure below:

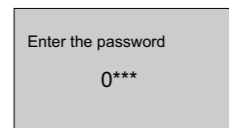


(2) click "open key" to the display interface as shown in the figure:



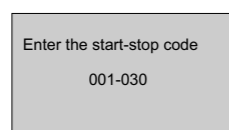
(3) when using, such as operation: No. 888, use "moves to the right key to bits 0, according to the" key "number 8 after press" shift to the left button to display a "10, according to the" add button "add to the number 8, continue to press" shift to the left button "to show a one hundred, according to the" key "to the number 8, according to" confirm "key, can confirm the digital operation.

(4) long press "confirm" for 3 seconds to enter the password input interface as shown in the figure  
Factory initial password default (1111)



(5) After entering the password, press "confirm", enter the number of the control elevator in the panel, and press "shift" to enter the code; For example, when 001-004 input is finished, press "confirm" to set the elevator control amount of this panel.

As shown in figure



Note :1. When entering the numbered segment, make sure that the control panel is connected to the code segment of the lifter correctly.  
2. Enter 30numbered sections within the scope.  
3. After entering the numbered segment, non-professional operators shall not modify the numbered segment privately.  
4. The lifters should be arranged in order.

(6) After entering the operation interface, use the "shift key" to enter the numbered segment of the elevator to be controlled, and press the "confirm key" to enter the operable interface to "rise", "fall" and "stop"Operation.

For example, when 001-004 is descending, press the descending key to realize the simultaneous descending of 001-004, and the four arrows show the descending state at the same time.

Concrete as shown in figure

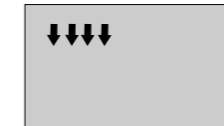
1) confirm the key after figure 1



2) the rising key is shown in figure 2



3) figure 3 when the key is down



4) figure 4 when the key is stopped



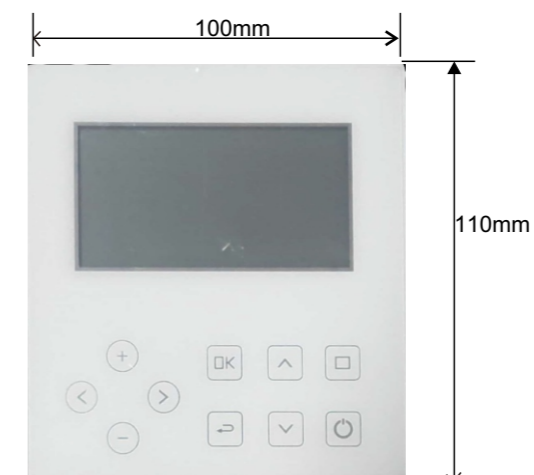
(7) After the operation is completed, press the "return key" to the main interface, press the "on" key to turn off the machine and enter the standby state. When you need to operate again, press the open key to enter the main interface.

### (8) Fault description

- 1) there is no display on the panel after power on. Check whether the wiring of power adaption is wrong.
- 2) during operation, if the code number is 001-004, where no. 002 is not installed, the up or down instruction arrow of the lifter will not show the status.
- 3) if there is no response to the operation of some lifts after entering the number segment, check whether the lift code and position are installed incorrectly, check the 485 line of communication, and check whether there is wrong connection or leakage.
- 4) if there is no response when pressing the panel, check whether there is a prompt sound indicating successful operation after pressing the button.

Note: power off is recommended when the panel is not used for a long time. Keep using every six months, test and maintain the performance of the product.

### Panel picture

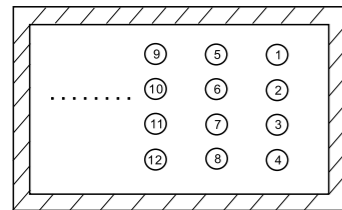


# Lifter series

## Installation instructions

### 1. Make the drawing

Design the drawing of light position and mark the code, as the picture 1 caddice. And lay every light and lifter on their corresponding positions and to keep in correspondence with the code.



PICTURE 1: Position drawing of light and lifter

### 3. Mount and Fix

Please choose the installation according to the actual conditions.

#### 3.1 Fixed on the concrete roof.

- 1) Fix the bracket on the roof with expansion bolt (the bolt specification is M8\*80 at least), see the picture 2
- 2) Make sure the angle between bracket and roof surface is less than 3°, see the picture 3;
- 3) The installation fixed on the slant well surface is like picture 4.

#### 3.2 Pipe-shape clamp installation

use two sets of pipe-shape clamp and bolts to fix on the pipes, see the picture 5. Install the bracket and also make sure the angle is less than 3°, see the picture 6.

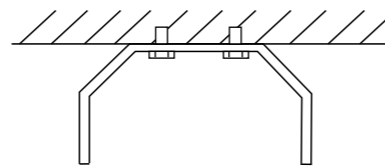
#### 3.3 "H" shape steel (H beam) installation style.

Manufacture two 90° lifting-ears like the picture 7. showing and fix them on the "H" shape steel.

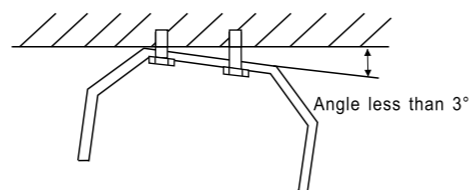
### 2. Test

Before installing and fixing, check if the lifter function, lifter circuit and lighting circuit are well or not:

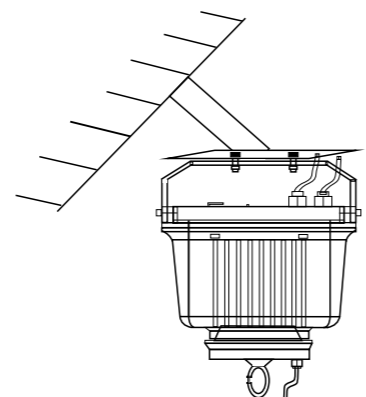
- 1) Fix the lifter on a support bracket; connect the light cable and lifter cable, and then operate remote controller or Wire-controller
- 2) When operating, must pull tightly the lifter hook by hand through 2kg/5kg force or hang 2-5kg load on the hook, then operate the lifter up or down.
- 3) Connecting light circuit, make lifter hook up to the top position, where it stops automatically; then turn on the light and check if it is on or not.
- 4) if everything is ok, then can be installed



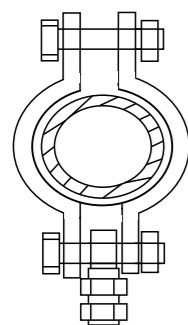
PICTURE 2: Bracket installation drawing



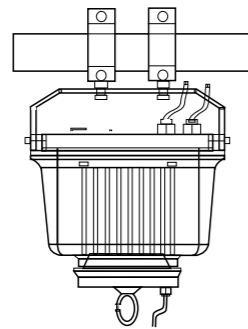
PICTURE 3: Installation angle drawing



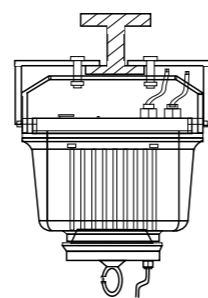
PICTURE 4: The drawing of fixing on the Italic wall surface



PICTURE 5: Pipe-shape clamp



PICTURE 6: Pipe-shape clamp Installation drawing



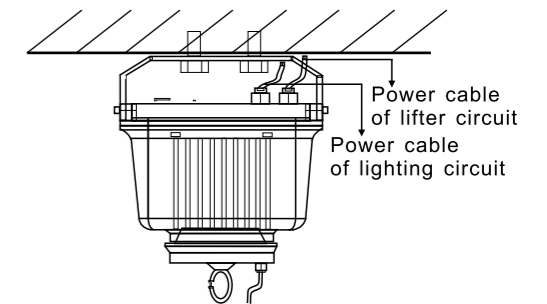
PICTURE 7: "H" shape steel installation drawing

### 4. Connect electric cable and Install the antenna

The lighting circuit and lifter circuit are forbidden to use a same power-supply circuit.

It contains two groups of divided circuit lines: one is for lighting circuit and the other is for lifter circuit, which are independent of each other; see the picture 8

The lighting circuit and the lifter circuit should be installed and connected strictly and correctly according to local electrical standards and regulations

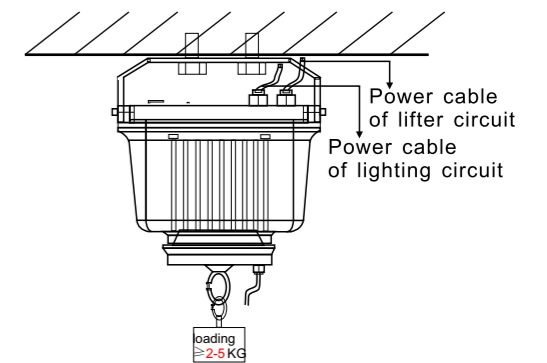


PICTURE 8: drawing of the lighting circuit and lifter circuit

### 5. Loading

Must hang more than 2-5kg load for going up and down. Lower lifter hook to the position of 1 meter far away ground

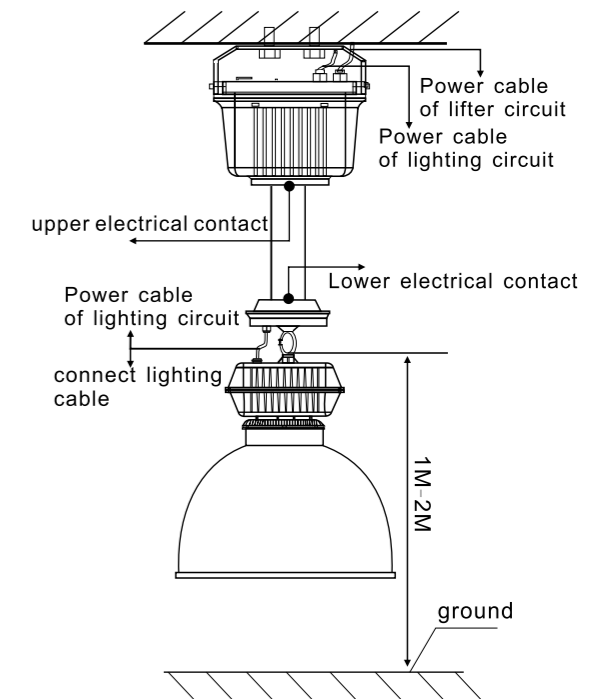
According to its design, the lifter must load with minimum 2-5kg weights (but not exceeding 15kg) when the lifter goes up and down, or else it fails to go up and down because the function disorder of steel cable rolling without any load (see the picture 9)



PICTURE 9: Hanging the 2-5kg weight load at least

### 6. Go down

Switch off the light power supply, and open the lifter power supply, Lower the lifter. please stop it when the lifter hook goes down to 1 meter above the ground; (see the picture 10)



PICTURE 10: hang the light and connect the lighting cable

7. When everything is ok after testing lifter, take down the load, and hang the light, and connect lighting fixture cable. (see the picture 10) (light weight is between 2/8-15 kg)

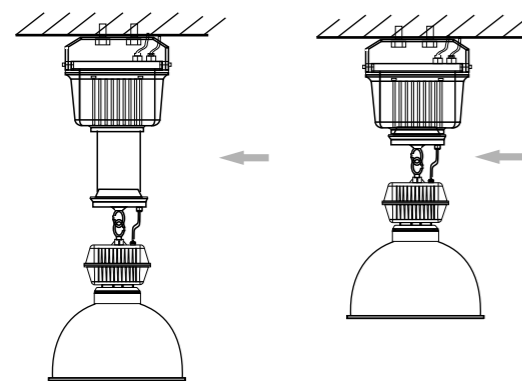
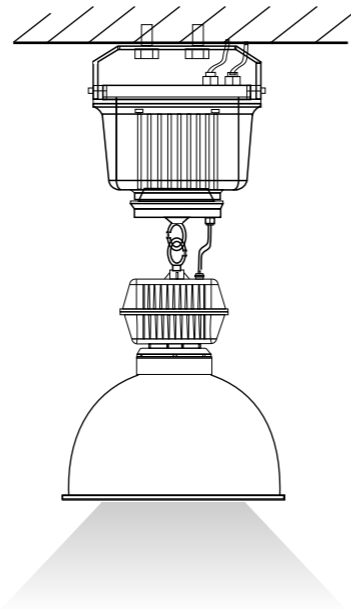
# Lifter series

8. After finishing connecting light, make lifter up to the top position, where it stops automatically; turn on the light and it is on.

9. Turn off the lifter power-supply and installation is over.

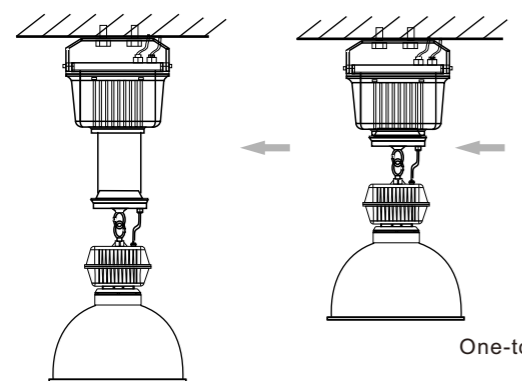
Note:

1. The lifter operates continuously not more than one hour.
2. Please cut off the power-supply right now and connect with the professionals or dealer if you have any questions or find abnormal phenomena during the installation and use.
3. All connections must comply to local regulations and standards
4. This lifter is designed for indoor use only, not for outdoor nor in corrosive atmosphere



Remote Controller

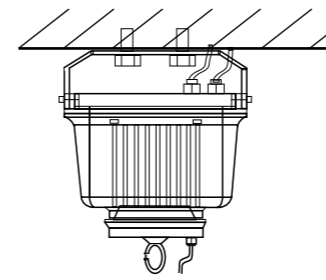
Remote Control Lifter



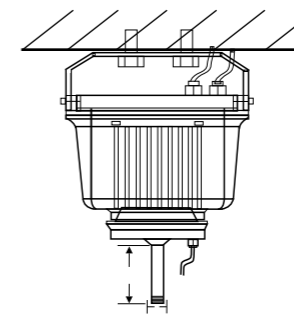
Wire Controller

One-to-one traditional wired control switch

## connect style with lighting fixture

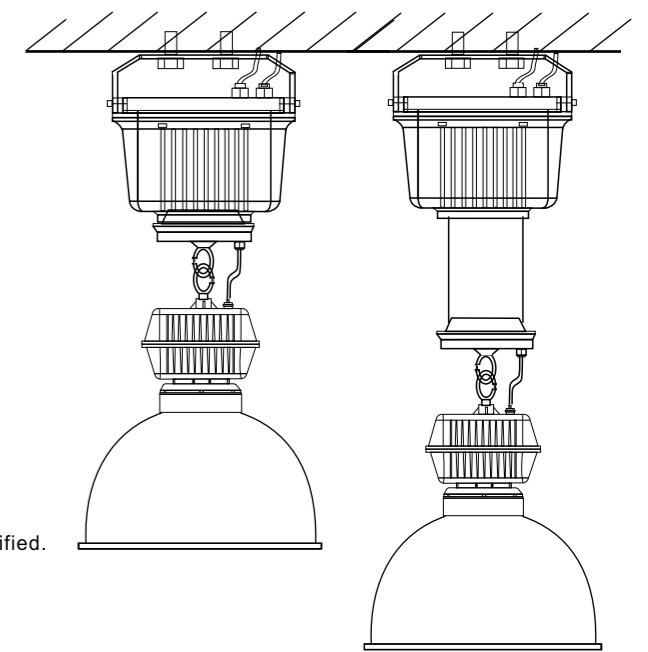


Hook connect style

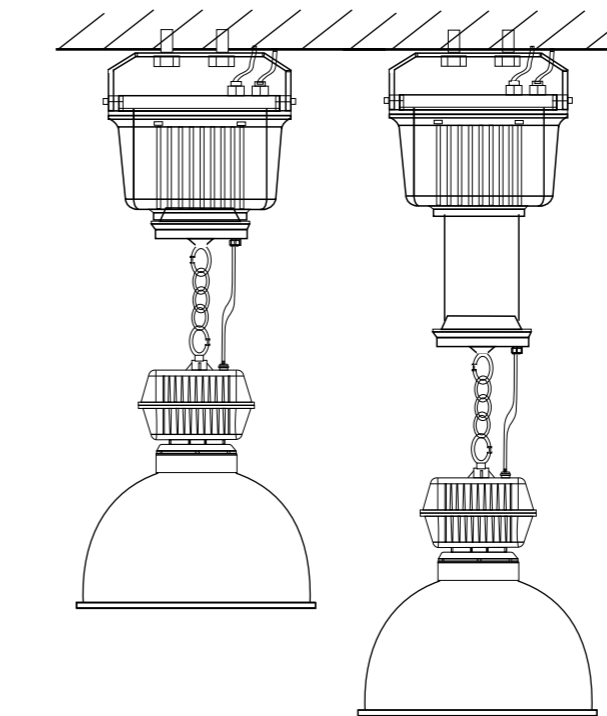


Rod diameter D=20mm  
Rod length L=40-80mm

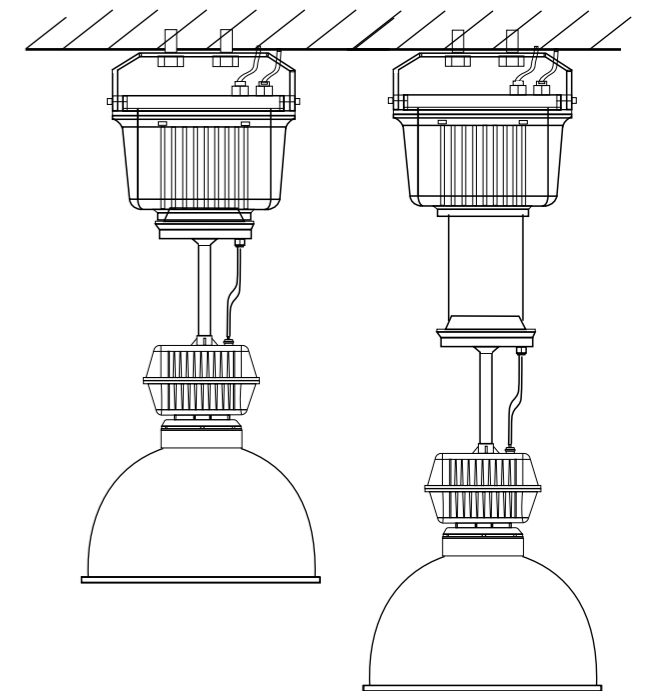
Hang-rod connect style



1 Hook-to-Hook connect style



2 Hook-to-Chase connect style



3 Hang-rod connect style

Above two connect styles are supplied by RJ Company; Hook connect style is set to the default mode, unless otherwise specified.

### Special Notes:

\*About the connect style model with light, it depends on the light connect style and real conditions.\*

## Lifter series

### Installation Procedure

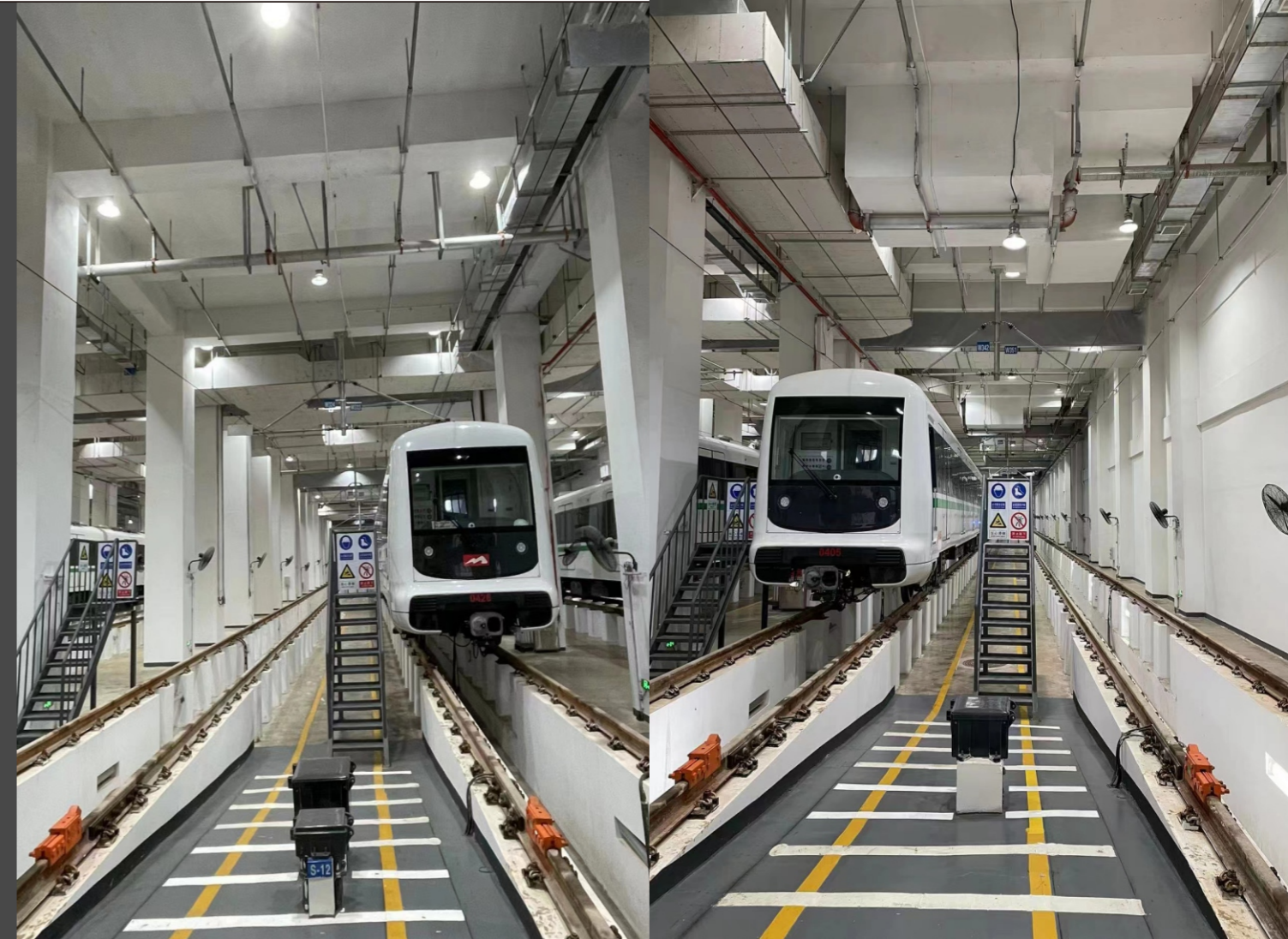
- 1) Remove the bracket, installation screws and hooks from the carton, and fix parts on the lifter;
- 2) Take out the antenna and install it on the top of the lifter;
- 3) Install the fixed lifting device at the required position; the bracket installation must be level.
- 4) Connect the input power cables;
- 5) Hang a lamp with a weight of at least 2 kilograms or more, then turn on the control power supply;
- 6) Turn on the power switch to supply power to the lifter;
- 7) Take out the remote control, install the prepared batteries;
- 8) Enter the device code on the remote control, and then you can operate this lifter.

**Please install the lifter strictly in accordance with the installation instructions.**

### Matters need attention

- 1.The lifters can only be used for the maintenance or cleaning of the lights;
- 2.Do not attempt to pull out the steel wire rope or loosen it by yourself;
- 3.Immediately check whether the quantity of the products and accessories is complete When opening the box;
- 4.Strictly forbidden to modify or paint the lifters;
- 5.Do not shake or twist the steel wire rope. When the lifters is in operation;
- 6.Don't that there are no people within 4 square meters below the hoist when operating it;
- 7.Please connect the wires strictly according to the installation wiring diagram;
- 8.Please install it correctly strictly according to the installation diagram;
- 9.please take a 30 minute break, lifters working 40 minutes;
- 10.Do not hang objects with obvious instability that affect balance;
- 11.Do not install lifters in places with strong winds or where there is obvious water penetration;
- 12.Please turn off the lifters circuit. When the lifters is not in use;
13. Please do not disassemble, strike or cause the shell to deform due to dropping; if you find any problems with the lifters, please immediately cut off the power supply and contact the maintenance personnel;
14. No further notice will be given. If there are any changes in the design and specifications;
15. The illustrations in the manual may have slight differences from the actual product.





## Applicable places

Railway station  
Factory  
Exhibition Center  
Airport  
Warehouse

Gymnasium  
Subway station  
Supermarket  
Power plant  
Steelworks. . . . .

## Project type References

Capital Indoor Stadium  
National Olympic Sports Center  
Beijing railway station  
IKEA  
Friendship Store  
Changchun Huaneng Power Plant  
Guangzhou Hua Ye Iron and steel plant  
Beijing Hyundai Automobile factory  
Yunnan Yuxi cigarette factory  
Zhujiang Beer Factory  
Coca-Cola (China) Co., Ltd.  
DHL warehouse

China Science and Technology Museum  
Water Cube  
Beijing Metro Station  
Hyper markets of CR Vanguard  
Lotte Mart  
Conghua pumped storage power plant  
The Capital iron and steel plant  
Shanghai Volkswagen Auto factory  
Nokia (China) Co., Ltd.  
Capital Airport  
The Yellow River Pharmaceutical Co., Ltd.  
Procter & Gamble (China) Co. Ltd. . . . .

## Certifications

